Design Div.

FIRE EXTINGUISHERS
SAFETY EQUIPMENT

M-2

LIBRARY
JAN 25 1943
U. S. PATENT OFFICE

US PATENT & TRADEMARK OFFICE
3 0402 00268 4415

talog

No. 19

RETURN TO DESIGN DIV.

OCT 8 - 1943

HD
7273
G326

E GENERAL DETROIT CORP.

INDUSTRIAL DIVISION

Former Name THE GENERAL FIRE TRUCK CORP.

2200-2272 EAST JEFFERSON, DETROIT, MICHIGAN

RETURN TO
DESIGN DIV.

"A YEAR FROM NOW WHAT WILL WE WISH WE HAD DONE TODAY?"

--Donald M. Nelson

The above question may, very appropriately, be applied to your fire and safety organization.

An alert, well-trained, fire and safety squad, equipped with proper tools, is a vital factor in plant maintenance, Victory Production, and Conservation of Manpower.

We shall be glad to send to you, free of charge and without obligation, a Fire Protection Kit, which will answer many of your fire protection problems.

Fire Protection IS Victory Effort

RETURN TO
DESIGN DIV.

THE GENERAL DETROIT CORP.

FORMER NAME THE GENERAL FIRE TRUCK CORP.

HD 7273 .G326 Design

GENERAL OFFICES
2200-2272 EAST JEFFERSON AVENUE
DETROIT, MICHIGAN

PATENT OFFICE
OCT 8 - 1943
Design Division

LIBRARY
JAN 25 1943
U. S. PATENT OFFICE

A "General" Innovation:

INDUSTRIAL SAFETY EQUIPMENT ADVISORY SERVICE

We have received thousands of requests from Industrial Fire Chiefs, Safety Directors, Purchasing Agents, and Procurement Engineers for a catalog illustrating the tools and materials necessary to adequate plant fire and safety protection.

Respectfully, therefore, we are offering you herewith our new Industrial Reference Catalog No. 19, with this earnest request:

> Consult us on plant protection problems, large or small. Allow us to make available to you fire prevention engineering knowledge acquired during 35 years of manufacturing experience.

REMEMBER: IF YOU DON'T SEE WHAT YOU WANT IN THIS CATALOG, WRITE US!

Yours For Victory

THE GENERAL DETROIT CORPORATION

Industrial Division

RETURN TO
DESIGN DIV.

P.S. If after examining this catalogue you feel that it would not be of use to you, would you please refer it to someone in your organization who would be interested? Thanks!

We shall be glad to have you send to us the names and titles of other key members of your organization who would like to have this reference catalog.

RETURN TO
DESIGN DIV.

SIRENS Pages 1-5

LIGHTS Pages 8-9-10

MASKS Pages 12 to 15

POLICE EQUIPMENT Pages 20-26

FIRE EQUIPMENT Pages 28-42

FIRE Extinguishers Pages 42-43-44

FIRE Trucks & Hose Pages 46 to 49

HOSE CARTS Page 50

LADDERS Page 53

INDUSTRIAL EQUIPMENT Page 56

TORNADO-TONE—A SENSATIONAL STEP

Standout Values—the Finest, Most Powerful Sirens Ever Produced

Priced Down Where Siren Prices Begin—
To Do a Better Job and Save You Money

Weatherproof and Waterproof

★ ★ ★

Great in Quality and Value

Easy to Install . . . Simple to Operate

★ ★ ★

SEE IT . . . HEAR IT . . . BUY IT

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

FORWARD IN SIREN ENGINEERING

5 HORSE-POWER $310.00 — 2½ HORSE-POWER $190.00

Complete with Remote Control and Station Push Button

Climax of Years of Experience

One touch of the button and this rugged, powerful Tornado-Tone roars forth its warning, instantly informing not only your firemen but every person within its tremendous range of an emergency. A split second often means the difference between safety and destruction. The Tornado-Tone flashes into immediate action when the starting button is pressed. In less than three seconds, its powerful rotors are operating at full speed, blanketing the entire community with wave upon wave of roaring, penetrating sound.

The new Tornado-Tones have been designed by skilled engineers—men who have spent years in the siren field, constantly endeavoring to formulate and design the perfect siren. The new Tornado-Tone comes closer to perfection than has ever before been achieved. Every individual part represents quality and precision in manufacturing—material and workmanship which cannot be equalled or excelled.

Only Tornado-Tones are Designed for Land Blanketing

Much has been written and many comparisons have been made between the radius range and the distance range of sirens of various makes and horsepower ratings. To the smart buyer such talk means nothing. What he wants to know is: Can the siren be heard *in every part of its* advertised range? In other words, will its sound penetration *blanket* the community? Will the warning signal be heard by every able bodied citizen within range?

Our engineers consider this the most important phase of siren performance. That is why Tornado-Tones are engineered and built for *land blanketing*. Each individual vibration might be compared to a gigantic *wave of sound,* roaring forth in all directions, radiating sound *out and down* into every square foot of space. *Only Tornado-Tone*

Specially Adapted to Air Raid Warnings

Sirens, specially designed and constructed for positive land blanketing, give you this protection.

Powerful High Speed Motors

Tornado-Tone Sirens are built with powerful induction motors, specially designed for fire alarm service. In less than three seconds, the great aluminum rotors accelerate to full speed of 4000 revolutions per minute. Machine work is accurate to a small fraction of an inch and all parts are dynamically balanced.

These are only a few of the many reasons for Tornado-Tone superiority. The design of every part is the result of years of experimentation in laboratory and open field.

5 Horsepower Tornado-Tone Fire Alarm Siren, 3 Phase, 60 Cycle, 220 Volts, including Remote Control and Station Push Button.

No. 341 ..... **$310.00**

No. 342 Same as above except with SINGLE PHASE motor **$360.10**

2½ Horsepower Tornado-Tone Fire Alarm Siren, Single Phase, for 110 or 220 Volts A.C., including Remote Control Switch and Station Push Button.

No. 340 ..... **$190.00**

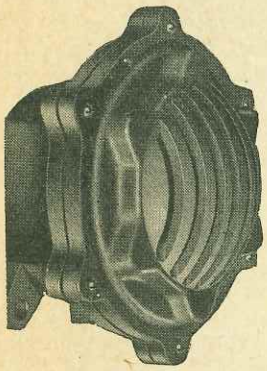
No. 344 ½ Horsepower Tornado-Tone for smaller communities **$50.00**

No. 354 Extra Station Push Buttons, used to operate the siren from different locations, each **$3.00**

HIGH POWER VIBRATORY HORNS

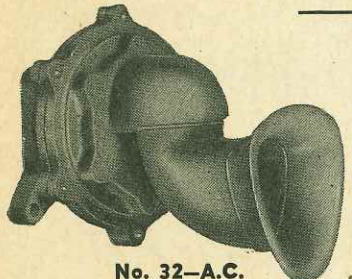
WEATHERPROOF AND WATERTIGHT

for Industrial and Fire Alarm Signalling



No. 31—A.C.
No. 41—D.C.

Type No.	Voltage*	Cur.	Cyc.	Finish	Net Wt.	Shp. Wt.	Length‡	Price
333	6 to 250	AC	60†	Aluminum	4 lbs.	4½ lbs.	4⅜″	$12.50
334	6 to 250	DC	—	Aluminum	4 lbs.	4½ lbs.	4⅜″	14.50
335	6 to 250	AC	60†	Aluminum	5¼ lbs.	6½ lbs.	9½″	15.00
336	6 to 250	DC	—	Aluminum	5¼ lbs.	6½ lbs.	9½″	17.00
337	6 to 250	AC	60†	Aluminum	6 lbs.	7¼ lbs.	9½″	19.00
338	6 to 250	DC	—	Aluminum	6 lbs.	7¼ lbs.	9½″	21.00



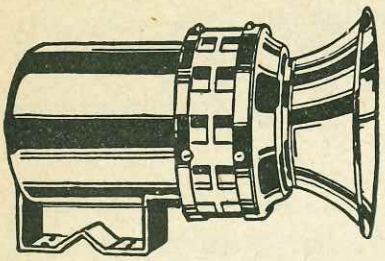
No. 32—A.C.
No. 42—D.C.

Wherever audible signals are installed, certain areas, because of unusually high noise levels, or unusual acoustic properties, cannot be adequately covered with the ordinary type of vibratory horn. General High Power units are the solution to this signalling problem. Having approximately twice the volume of the standard horn they assure response and reduce the number of horns required to cover a given area. They produce a vibrant tone, not unlike a motor driven horn, but have the advantage that they may be used where short quick code signals are necessary.

See next page for details on how to select siren for your locality

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

GENERAL JUNIOR SIREN
FOR CHIEFS' AND VOLUNTEERS' CARS



Only $6.95

Here is a compact automotive siren which mounts under the hood, on the fender or in front of the radiator. It operates from your regular 6-volt automobile battery and uses no more current than an ordinary horn.

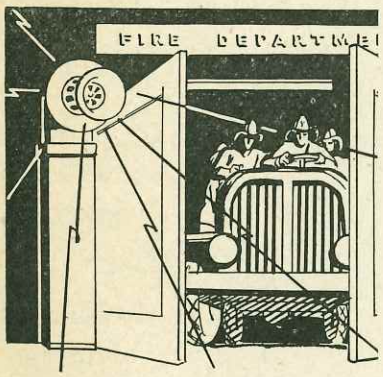
The Junior Siren features a specially developed high speed electric motor . . . It is weatherproof and waterproof . . . Measures 7½" by 5¾" . . . Sound projector is 5⅛" in diameter . . . Every volunteer will want one of these horns for his private car at General's unusually low price.

No. 123 General Jr. Siren, Chrome Plated..... **$8.95**

No. 124 General Jr. Siren, Black Enamel..... **$6.95**

CIVILIAN DEFENSE Means a Double-duty JOB for SIRENS!

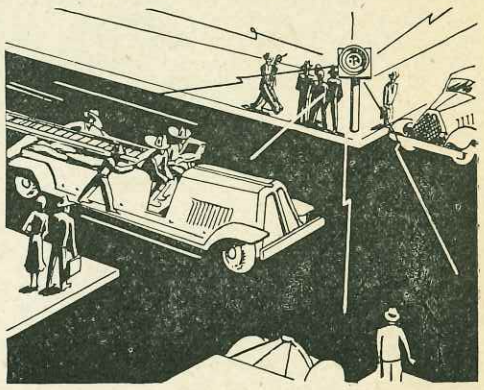
FIRE DEPT. WARNING SIREN—Heavy Duty • For 110 Volts



$37.50

Small communities, mills, shops, factories and camps will find this powerful electric siren a most dependable alarm . . . No remote control or transformer necessary . . . Plugs into any ordinary 110 volt socket . . . Completely weatherproof and waterproof . . . Can be mounted anywhere, indoors or outdoors . . . Accelerates immediately to 7,000 revolutions per minute . . . Gives out clear, high-pitched shriek . . . Equipped with specially wound universal motor . . . Operates on AC or DC . . . Finished in glistening fire department red . . . To promote traffic safety, it more than pays its cost in a short time . . . Widely used at dangerous intersections for advance warning of emergency vehicles . . . Popular for use at fire houses, drawbridges and other periodically hazardous locations . . . Not a vehicle unit or general alarm.

No. 796 General Heavy Duty Fire Alarm Siren..... **$37.50**



HOW TO SELECT, INSTALL AND USE SIRENS FOR AIR RAID PROTECTION

Selecting the proper type of siren depends entirely on the conditions encountered in the area to be served. When you light a cigarette, the blazing match in front of your eyes is brighter than a street light a block away. In the same way, a siren audible for miles, even though only a few blocks away, might be less audible than the sound of your radio. Sound travels much like light; passes through some materials; is absorbed by others; and by still others is reflected. Sound distribution and audibility are affected by many factors such as location, height, wind velocity, obstacles, topography, and atmospheric conditions. These factors are never identical in two different places, and in any given location will vary from day to day. No positive claims can be made regarding the distance any sirens can be heard.

Local noise levels are detrimental to audibility. This means that a siren must produce sufficient volume at any specified point to overcome the other noise levels at that point, or it is not effective. If it fails to do this, additional sound must be produced at that point by an additional signal which can be a small one nearby, or a larger one farther away.

No definite guarantee of sound range is possible because of all those variable factors. Only for comparative purposes can we state that under average conditions of weather and topography, free from obstructions and high noise levels, the following ranges are estimated.

Type D–	½ horsepower	⅓ to ½ mile
No. 2	–2½ horsepower	½ to 1 mile
No. 5	–5 horsepower	1½ to 2 miles
No. 7	–7½ horsepower	2 miles or better

All recommendations made in this bulletin are based on actual tests and service in other countries under real air raids. Local conditions will modify the results in a manner that can only be determined after the system is in service. Recommendations are made to establish a basis for an adequate system that can be adjusted to local conditions.

In noisy metropolitan business districts, a greater number of smaller sirens is the more effective method. This is particularly true where tall buildings, close together, line the intersecting streets to form a veritable canyon confining the sound. A Type D should be located at each intersection, supplemented by additional units in public buildings; especially noisy places; or confined spaces which shut out the outside sounds.

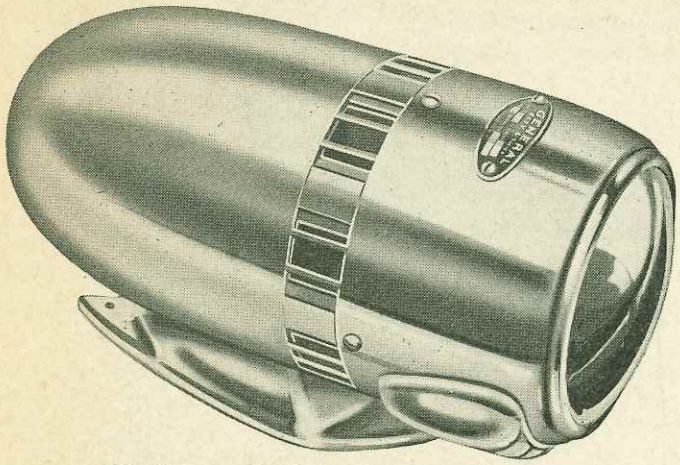
In less noisy districts closely built us, with lower-lying buildings, two horsepower sirens at intervals of ¼ to ½ mile will prove very effective. By following the same spacing of sirens recommended in this and the foregoing paragraph, but substituting larger model sirens, will assure greater sound intensity.

In less thickly settled residential and suburban areas, 3, 5 or 7½ horsepower sirens a mile or more apart will serve adequately.

SEE PAGE 42–GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

SIRENS FOR FIRE USE AND FOR DEFENSE

★ See GENERAL's Wide Selection on the Following Pages



GENERAL HEAVY DUTY SIREN
with Flashing Red Light

This powerful heavy duty apparatus siren commands attention for blocks ahead. Its deep roaring tone and long roll combined with a brilliant red flasher do double duty in saving lives and property. Sleek and streamlined, with chrome finish. It's the greatest value of its kind we've ever offered.

Height 8¼", length 14¼". Complete with switch and cable, ready to mount.

ORDER A SPECIAL PURPOSE LENS

FIRE POLICE

You'll want a specially lettered lens, available at an additional cost of only $2.50. Red lens lettered FIRE—green lens lettered POLICE—or red lens with white cross for AMBULANCE installation.

Mention lens choice in your order.

All sirens on this page furnished in chrome while supply lasts. Right reserved to substitute black or red enamel or olive drab. Specify 1st and 2nd choice when ordering.

Ambulance Owners

The General Heavy Duty Siren is unusually efficient for ambulance use. Fitted with a white cross lens (see left) it does an equally fine job of insuring you the right of way and dressing up your ambulance. Scores of ambulance operators write us that it's the greatest value they've ever seen.

Send in your order today.

No. 351 With Flashing Red Light **$37.50**

No. 352 Without Light **$34.50**

GENERAL *Streamlined* VOLUNTEER SIREN

●

Quality Features at Low Price

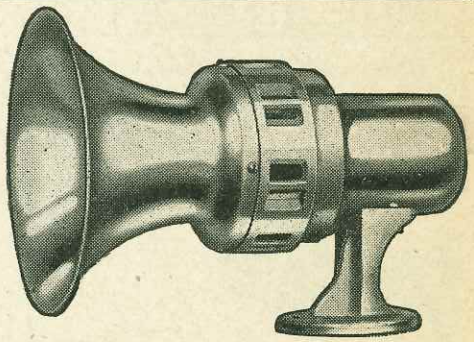
Only $14.00

Here is a siren that gets you there quickly and safely. Saves time and protects the safety of your community. New, streamlined and unusually low priced, the Streamlined Volunteer Siren is an outstanding combination of beauty and efficiency. Heavily constructed to withstand abuse . . . Trouble-proof . . . Nothing to go wrong or get out of order . . . Consumes less current than car heater or radio . . . Specially suited for firemen or city officials who use their cars for emergency service.

Two distinctive models, in chrome and in black enamel finish. 8" long, 5¾" high, 4⅜" in diameter. Complete with switch and cable ready to mount.

Take advantage of this unusual value today.

No. 349 Volunteer Siren, Black Enamel..... **$14.00**



GENERAL HIGH SPEED SIREN

Exceptional Performance

The General High Speed Siren combines finest mechanism, superlative workmanship and quality materials. At General's low price, it is the finest siren value available today. Sturdy, strong and reliable, this siren has been standard with large metropolitan fire departments for years. Sleek chrome finish. Available with projector, as illustrated, or with flat front for underhood mounting where space is a factor. Dimension, with projector, 12½" long by 8¼" high; without projector, 8" long by 7½" high. Price includes switch and cable. Will give years of good service with a minimum of attention.

No. 370 General High Speed Apparatus Siren..... **$27.50**

No. 371 Same with Flat Front for Underhood Mounting.. **$25.00**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

RESONATING HORNS

WEATHERPROOF

WATERTIGHT

A new and radically different type of industrial horn. The result of extensive research into new principles of design.

An ideal horn for mills, mines, yards, etc.; for use on cranes, conveyors, and handling equipment; on drawbridges, ships, and in harbor services; and at estates, ranches, and construction camps. Designed for fast code call systems; as a warning signal; for fire alarm service; or wherever a powerful distinctive audible signal is desirable.

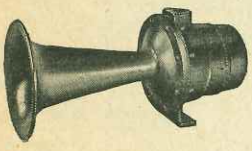
The resonant tone produced compares favorably in volume and quality with that of a small air horn or electric air whistle. It can, in many applications, supplant straight air, or electric air units. The Resonating horn is entirely electric in operation, eliminating the expensive, and often complicated, auxiliary equipment required for signals of equivalent tone and capacity, heretofore available. It is consequently lower in price, easier to install, and more dependable in operation.

It is known as the "Resonating Horn" because resonance is a prime factor in its superior performance. Exhaustive tests in laboratory and field have proven that it is weatherproof, watertight, and extremely durable. The mechanism is protected by a housing of noncorrodible material, properly gasketed. The housing is tapped for ½" conduit and the entire unit finished in aluminum. Horns have three mounting lugs spaced 120 degrees apart with mounting dimensions of 3½ inch radii to bolt-hole centers.

Model	Voltage*	Cur.	Cyc.	Finish	Housing Dimensions	Overall Length	Net Wt.	Shp. Wt.	Price
457	12 to 250	AC	60	Aluminum	7½ h. x 7½ w. x 4	20½ Inches	6¾	11	$40.00
458	24 to 250	AC	25	Aluminum	7½ h. x 7½ w. x 4	20½ Inches	6¾	11	40.00
459	6 to 250	DC	—	Aluminum	7½ h. x 7½ w. x 4	20½ Inches	6¾	11	40.00

*Specify definite voltage and cycle on order.

MOTOR DRIVEN HORNS



No. 20 Motor Driven Horn

General Motor Driven Horns are clear and vibrant in tone, providing a pitch so distinctly different that they gain instant recognition. They are especially recommended for noisy locations. They are properly gasketed to be weatherproof and are extremely rugged. The housing is tapped for ½" conduit.

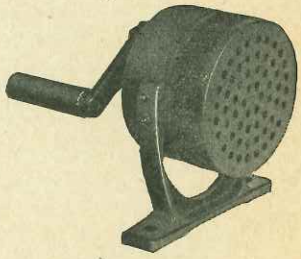
The number 60 is the same as the number 20 except that the former has a double projector to direct the sound in opposite directions. Motor driven horns are not recommended where rapid code signals are required.

Type No.	Projector	Cur.	Voltage*	Watts	Cyc.	Overall Dimensions	Wt. Net	Lbs. Shp.	Price
546	Single	AC	110	55	30 to 50†	14¼ x 6¼	14½	21	$34.00
547	Single	DC	110	55	—	14¼ x 6¼	14½	21	37.00
548	Double	AC	110	55	30 to 50†	19¾ x 6¼	12¾	24	37.50
549	Double	DC	110	55	—	19¾ x 6¼	12¾	24	40.50

*Specify definite voltage and cycle on order. 220 volts also available at $3.00 additional.

†Also available for 25 cycle at $3.00 additional.

HAND-OPERATED SIREN



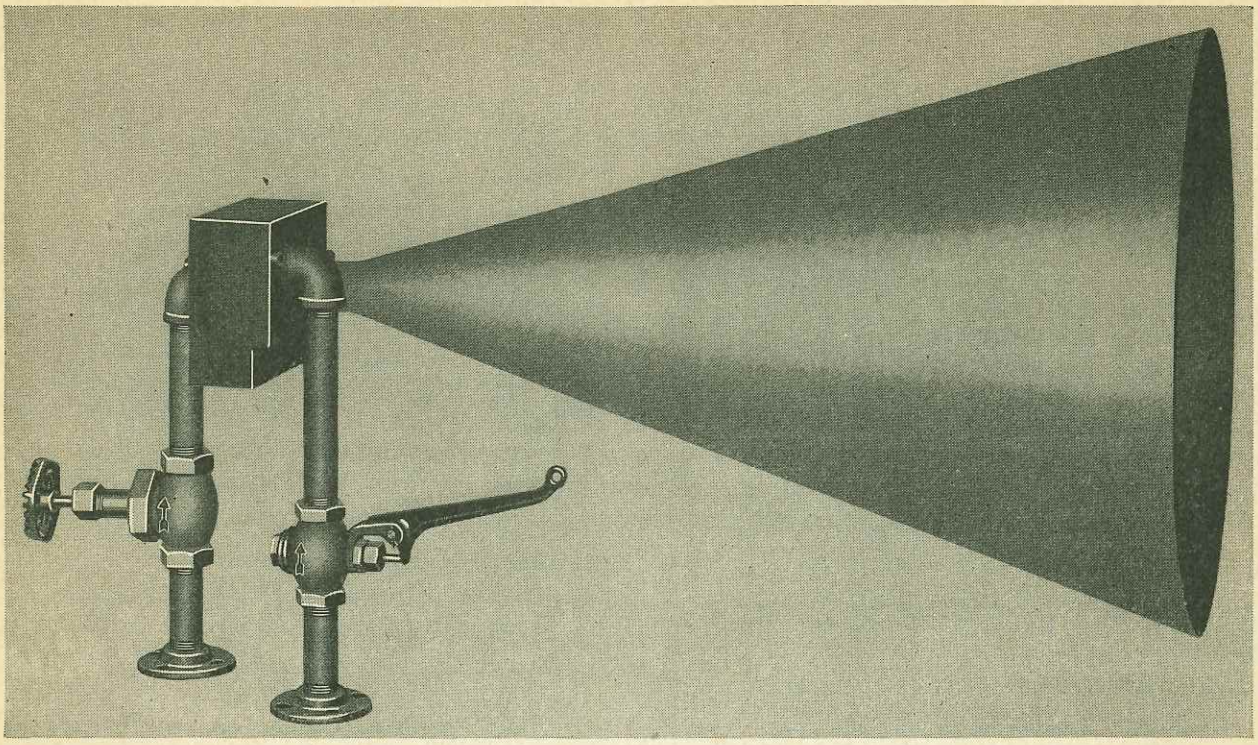
No. F140 Hand-operated Siren

Meets most exacting requirements of civil, military and industrial authorities . . . Compact, light weight, and with a distinctive tone . . . May be used as an alarm for fire, air raid, sabotage or burglary—anywhere a siren is needed for emergencies . . . No current necessary . . . Maximum sound with minimum cranking . . . Ball-bearing rotor shaft and precision-cut gears, non-corroding materials, heavy olive drab lacquer finish . . . Can be mounted on any flat surface . . . Weighs 4¼ lbs.—furnished with pedestal bracket, as shown, or with handle, strap and case—specify which.

No. F140 ..... $17.50

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

Imagine a Small Air Raid Siren Which May Be Heard for Seven Miles!



Study carefully the points of superiority listed below and you will decide that the LITTLE HERCULES siren is what you need for air raid and general warning service in factory, town, or camp.

1. The LITTLE HERCULES air raid siren has, under favorable conditions, been heard distinctly as far distant as seven miles.

2. You will say that LITTLE HERCULES is the loudest siren you EVER heard, ANYWHERE.

3. THOROUGHLY TESTED. LITTLE HERCULES has been tested and approved by one of America's foremost sound engineers as a great advance in sound creating application.

4. AS COMPACT AS DYNAMITE. LITTLE HERCULES weighs only fifty pounds, yet outperforms sirens weighing two and one-half tons! Power unit measures only 6″ x 6″ x 4½″. It is attached to a three-foot, specially designed and well constructed horn.

5. UNBELIEVABLE SOUND VOLUME—Within two and one-half seconds after the LITTLE HERCULES valve is opened, it leaps into a steady, full-powered roar which alternates from thunderous low tone to high pitch of far-reaching intensity. Clear, reverberating sound penetrates into every nook and corner; neither large buildings nor other obstructions interfere with its range.

6. SOUND VOLUME RATING HIGHER THAN SIRENS COSTING $2,500.00 or MORE. The minimum decebel rating of the LITTLE HERCULES is stated to be 129, a rating heretofore not attained even in sirens many times larger and more expensive.

7. VARIABLE TONES POSSIBLE—LITTLE HERCULES has full power or top range at the mouth of the horn at all times and at all frequencies. This exclusive feature, say our engineers, is not accomplished by any other siren. The fact that any note between 200 and 650 cycles may be used for the "ALERT" and another for the "ALL CLEAR" signal is a decided advantage.

8. HOW THE TERRIFIC NOISE IS CREATED. The noise or voice of LITTLE HERCULES is created by steam or compressed air passing through a specially designed rotor. The rotor "chops up" the air across an opening in a manner which produces both high and low sound to the horn as wanted.

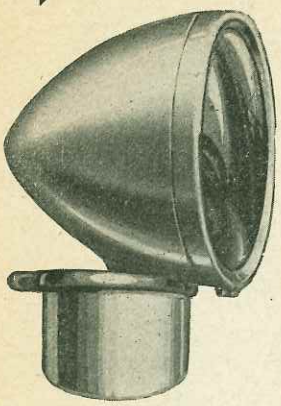
9. SIMPLE CONTROL. The steam or air pressure is controlled by two valves. These valves may be placed at any point on the feed pipe, making it possible to locate the valves on any floor of the building.

10. ONLY ONE MOVING PART—namely the rotor assembly which runs on wear-resistant, oiled ball bearings, thus speeding acceleration and requiring less maintenance expense. Bearing and shaft sizes are held to one-half thousandth of an inch!

ORDER YOUR LITTLE HERCULES SIREN TODAY, AND GET $2,500 WORTH OF SIREN SOUND VOLUME FOR ONLY $495.00

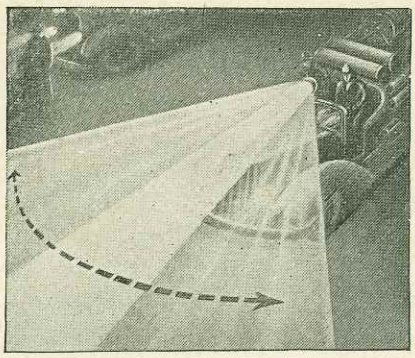
SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

FIRE DEPARTMENT LIGHTS AT



WIG-WAG LIGHT with Sweeping Beam

Powerful red beam sweeps back and forth to warn traffic 500 feet ahead and clear the way. . . . The only oscillating light on the market with a fixed lamp head. . . . Cannot stick in sleet or snow. . . . Oscillating beam is entirely automatic.



Mounted on a small compact housing, ready for easy installation. . . . Illustration at right shows path of beam. . . . Specify 6 or 12 volts when ordering.

No. 392 Wig-Wag Light. **$25.00**

WANT SOMETHING YOU DON'T SEE LISTED?

This catalog lists only our faster selling equipment. If you need something you don't see listed, write us. No matter what you want in industrial fire and safety equipment and allied lines, be sure to let us know. We can supply anything you need at our famous low prices.

Many of our customers look to us for everything they need because they know they can depend on General for good service at fair prices.

Let us know your requirements—we'll send you complete information and get your order through in a hurry.

Now, more than ever, it PAYS TO BUY FROM GENERAL.

AMBULANCE LIGHT

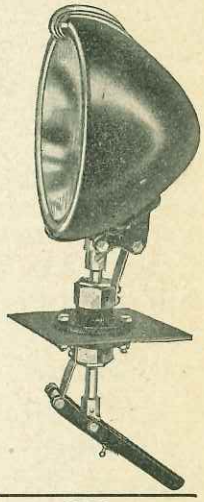
This flashing beacon throws a beam of light 1000 feet and can be seen for more than a mile. . . . Blue lens lettered in white, AMBULANCE, with a white cross. . . . Also furnished with a blue lens lettered POLICE or with a ruby lens lettered FIRE. . . . Operating switch mounts on the dash. . . . Highly polished silver reflector. . . . Complete with switch, cable and bracket, ready for mounting.

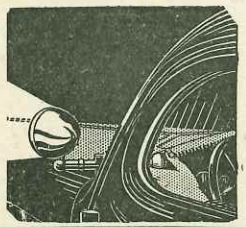
No. 545 Ambulance Light **$7.95**

FIRE TRUCK TOP LIGHT Operates from Inside Cab

Mounts on cab top, projects an amazingly powerful double beam of light under instant control of driver. . . . Covers circle of 360 degrees or 90 degree vertical path. . . . Well engineered, smooth operation, evenly balanced. . . . Control handle does not interfere with headroom. . . . Will give years of trouble-free service.

No. 373 Fire Truck Top Light **$22.50**





FOR CHIEFS AND VOLUNTEERS

Here's a quality spotlight for your private car at a really low price. . . . 110,300 candlepower output throws concentrated beam far ahead. . . . Furnished with amber or red lens at $1.00 additional. Red lenses lettered FIRE, SHERIFF, POLICE, etc., $1.50 additional. . . . Specify make and year model of car.

No. 579 Mobilite **$8.95**

OSCILLATING LIGHT

Sweeping red beam is visible over two miles. . . . Developed specially for fire trucks. . . . Long red beam wig-wags from side to side, covering more than the distance from sidewalk to sidewalk ahead of the truck. . . . Not subject to damage or inefficiency caused by bad weather. . . . Lens 6½" diam.

No. 403 Oscillating Warning Signal, plain red lens **$25.00**

No. 403 Same with special lens lettered FIRE **$27.00**

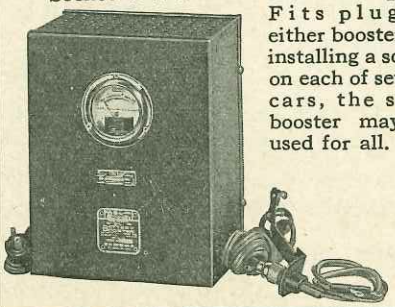
BATTERY CHARGER

Charges directly from ordinary AC light socket without removing battery from car or truck. . . . Saves battery replacement and repair costs, keeps battery in top condition at all times.

No. 306 Battery Booster and Charger, rate 3 to 6 amp. per hr. **$11.50**

No. 506 Battery Booster and Charger, rate 5 to 10 amp. per hr. **$15.00**

No. 706 Extra Steering Post Socket **75c**



Fits plug on either booster. By installing a socket on each of several cars, the same booster may be used for all.

RED WARNING LIGHT

For mounting on trucks or street posts and popular for boat or yacht use. . . . Top quality, finely finished light. . . . 3¼" red fresnel lens. . . . You'll find many uses for this fine warning light for both department and personal use.

No. 73 Warning Light **$9.50**

Flasher **$2.00** Additional

WARNING FLASHER

Meets exacting requirements of fire department use. Supplied with special red lens with large white frosted letters FIRE. . . . Easily mounted wherever convenient. . . . Also equipped with automatic flasher unit set to flash approximately 35 times a minute.

No. 409 Warning Flasher, Black Enamel **$5.25**

No. 410 Same, Chrome Plate **$6.95**

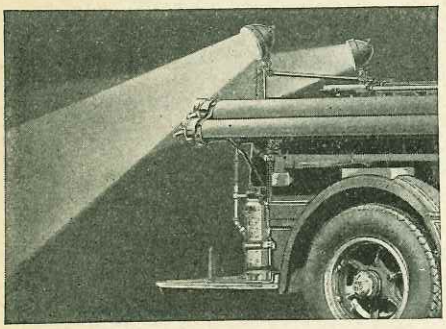
Replacement Lens **$2.00**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

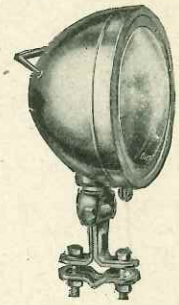
AMERICA'S LOWEST PRICES

DIETZ HOSE BODY FLOOD LIGHT

Mounts in any convenient place on fire apparatus and hose wagons . . . Can be pointed in any direction . . . Floods hose body with light, enabling men to work better and faster . . . Weatherproof and waterproof, lasts indefinitely. Six inches in diameter . .. 28,000 reflected candlepower . . . Furnished with universal mounting bracket adaptable to any fire truck . . . Every fire truck should carry a PAIR . . . Specify voltage.



No. 709 Hose Light, each. **$4.95**



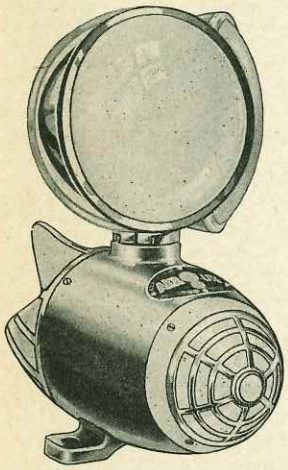
3960 FOOT POWER BEAM

Most Powerful Ever Developed

The most powerful fire department searchlight ever developed. Weighs only 15 pounds . . . Completely waterproof . . . Uses regular 6-8 volt automobile headlight bulb for super power . . . Standard Burgess Unified dry cell battery operates light continuously for 12 hours . . . Two-way toggle switch for long beam and close work . . . Weatherproof head and case . . . Finished in red enamel . . . Price includes battery.

No. 415 Power Beam complete..... **$22.40**

No. 416 Apparatus Mounting Bracket..... **$4.15**



OSCILLATING — FLASHING APPARATUS LIGHT

Identifies emergency apparatus by penetrating, oscillating red beam in combination with red flashing light . . . Sweeps road 110 times a minute, visible one mile . . . Throws ray 600 feet ahead . . . Precision built . . . Air-cooled motor . . . Weighs 9 pounds . . . Complete with bulbs, motor and dashboard switch . . . Specify 6 or 12 volt system . . . Sales restricted to fire apparatus, chief's, ambulance and police cars.

No. 393 Combination Warning Light..... **$46.20**

SPECIAL FIRE DEPARTMENT APPARATUS SEARCHLIGHT

Super light of 265,000 candlepower, projects a one-mile beam . . . Completely weatherproof . . . Turns in any direction . . . Switch in head at fingertip reach from handle . . . Usually purchased in pairs . . . Complete with mounting bracket . . . Specify 6 or 12 volt.

No. 451 Powerful Hose Light..... **$7.95**

Save money—Buy a pair at only..... **$15.00**

MILE BEAM HOSE LIGHT

Can be focused in any direction at any angle . . . Utmost protection against accidents and an aid to quicker, more efficient work . . . Worth many times its cost as a time saver . . . 10⅞" in diameter, 7¾" deep . . . Convex lens . . . 80,000 reflected candlepower.

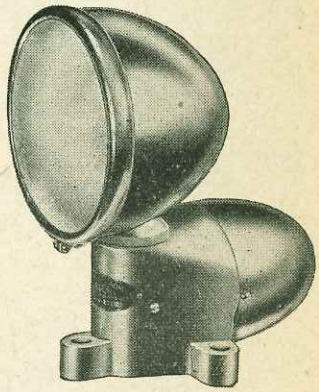
No. 609 Dietz Searchlight..... **$17.25**

No. 984 Flat socket for side mounting..... **$3.50**

No. 986 Cone socket for base mounting..... **$2.85**

THE LIGHT FROM MARS

Makes you master of the road . . . Powerful red roaming light travels in a figure 8 . . . Warns traffic two full blocks ahead . . . Moves at terrific speed and commands instant attention . . . Sold only to fire and police departments, it is the cheapest insurance you can carry . . . Guaranteed for 5 years.



No. 432 Light from Mars..... **$65.00**

ROTO-RAY SIGNAL

Three powerful revolving red lights attract attention far ahead . . . Mounted on top of apparatus, can be seen over tops of cars . . . Weatherproof and waterproof . . . Nothing to go wrong or get out of order.

No. 930 Fire Apparatus Roto-Ray..... **$75.00**

FOG AND AUXILIARY LAMP

Finest auxiliary lamp ever designed for fire apparatus . . . Throws broad sweeping beam . . . Furnished with amber lens for fog light or red lens for auxiliary and warning use . . . 6⅞" diameter lens . . . Furnished with universal bracket adjustable to all angles . . . Install a PAIR for super-efficiency . . . Specify lens color.

No. 855 Fire Truck Fog and Auxiliary Lamp Black Enamel, amber or red lens..... **$4.35**

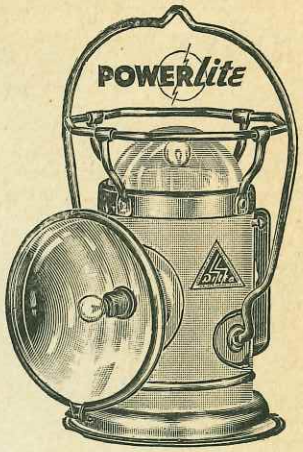
Lens only .... **$1.00** Flasher Unit **$1.95**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

YOU'LL FIND THE LIGHT YOU NEED IN GENERAL'S BIG LINE

FIREMEN'S DOUBLE REFLECTOR POWERLITE

Spot Beam or Flood Rays on One Switch



It's not enough to have a spot beam or a floodlight alone, when you can have both at low cost with the Powerlite . . . It gives you wide brilliance or a piercing shaft of light as you need it. For fire department use the top floodlight is usually furnished in red, but is optional . . . Both top and side lights operate from a simple, double-action switch . . . Price includes all features shown below—lens guard, red top lens and spring bracket. The Powerlite will give 80 to 100 hours of light from one battery at less than a cent an hour . . . Operates from a standard 6 volt lantern battery, available anywhere . . . Bulbs are Mazda No. 26. Price includes bulb but not battery.

No. 133 Fire Department Powerlite . **$3.20**

Batteries, each..... **47c** Bulbs, each..... **10c**

Red Top Lens
For any warning use — inserts in a jiffy. Railroads, trucks, construction crews, etc.

Spring Bracket
Handy bracket for snapping Powerlite in permanent, safe resting place on walls, trucks, boats, police and fire cars, etc.

Lens Guard
For top lens. Snaps on, snaps off. Protection to lens—adds to Powerlite's beauty.

BIG BEAM SUPER-POWER PORTABLE HAND LAMP

Battery does not have to be removed from container to be recharged . . . The volume of light is constant throughout the discharge capacity of the battery . . . Its powerful beam of light will penetrate smoke or darkness, enabling firefighters to work under much less hazardous conditions in smoke-filled buildings.

BIG BEAM carries a 6 volt, 26 ampere hour capacity battery with non-spillable type vent . . . A rubber reservoir seals in vent caps and collects fumes caused from charging or discharging of the battery, eliminating possibility of corrosion of terminals or battery container.

The battery container is made of No. 18 gauge steel, lead coated throughout, impervious to acid or fumes, weatherproof and rustproof. Finished in red baked enamel.

The lamp head is all brass, chromium plated . . . 7" parabolic reflector throws beam over ½ mile . . . Adjustable bracket, attaching lamp head to carrying handle directs light in any direction.

It is not necessary to remove BIG BEAM'S battery to recharge . . . Merely insert charging plug into charging receptacle installed on head of lamp. Any type of charger can be used that does not charge at too high a rate. An automobile dashboard switch can be furnished, whereby the lamp battery can be recharged direct from the charging system of your automobile or truck.

No. 472 BIG BEAM Hand Lamp..... **$31.75**

HOLD DOWN BRACKET for mounting on running board..... **$3.75**

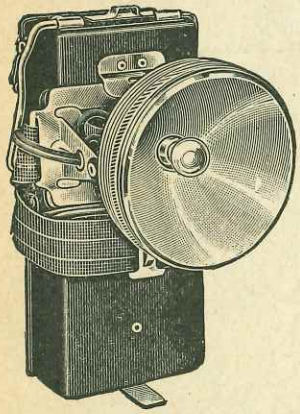
HOLD DOWN SWIVEL FITTING for attaching to above bracket. This fitting enables lamp to be rotated in a complete circle without removing from bracket. Each..... **$7.50**

BIG BEAM CHARGER for 110 Volt A. C., 50-60 cycles, 6 Volt D. C., equipped with indicating meter to show proper operation. Can also be used to charge automobile battery. Each..... **$11.50**

SHOULDER STRAP of genuine leather, with wide leather shoulder pad. Each..... **$2.50**

FLOODLIGHT LENS for a full, wide circle of light. Interchangeable with regular lens. Each..... **$1.50**

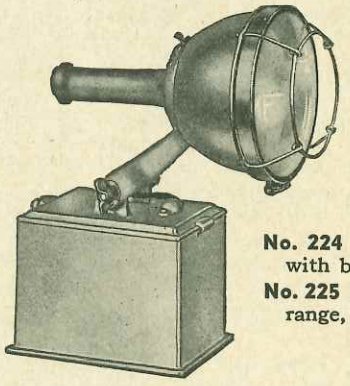
AUTOMOBILE DASHBOARD SWITCH for charging BIG BEAM direct from the charging system of your automobile or truck. Each..... **$3.00**



FOCUSING LANTERN

5-cell, double duty headlight-lantern . . . Black "rock-crystal" finished battery case with bright trimmings . . . Silver-plated focusing reflector with a mat finished reflector furnished for insertion when non-focusing light is desired . . . Bail handle, belt clip, detachable and adjustable head band . . . Batteries not included.

No. 406 Focusing Lantern..... **$3.98**

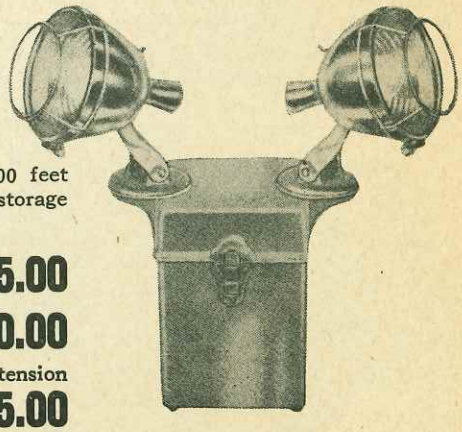


BATTERY LIGHT

One mile range, projecting a penetrating beam for 8 hours or a moderate working light 24 hours—longer if used intermittently—with each battery charge . . . Battery is semi-nonspillable, corrosion proof, rechargeable . . . Special double filament bulb provides long burning, low power consumption service light or brilliant 250,000 candlepower searchlight.

No. 224 Battery Light, complete with battery..... **$35.00**

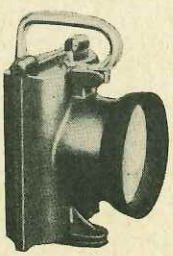
No. 225 Similar light, smaller, ¾-mile range, 175,000 c.p., with battery..... **$30.00**



WATERPROOF SEARCHLIGHT

Built for rugged emergency service. Unusually strong, yet light in weight . . . Gives a powerful beam of light with spot . . . Focusing screw . . . Waterproof . . . Uses two No. 6 dry batteries obtainable everywhere . . . Complete with rubber lens guard . . . Batteries and hanging bracket included.

No. 108 Battery Lantern, complete with bracket and batteries **$11.50**



TWIN FLOODLIGHTS

Two floodlights, each lighting circle of 100 feet in diameter, entire unit fitting special storage battery . . . Complete with battery.

No. 215 Twin Floodlights, manual control..... **$65.00**

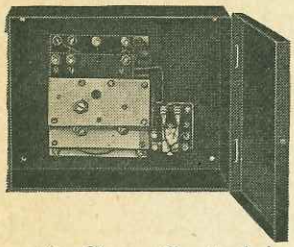
No. 215A Same, with automatic control..... **$80.00**

No. 215B Additional lamps with 15′ extension wires and wall mounting bracket..... **$15.00**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

GOOD WARNING APPARATUS DEMANDS GOOD CONTROLS!

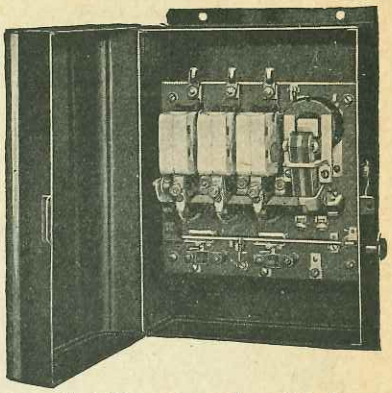
GENERAL AUTOMATIC SIREN CONTROL



This motor-driven timer will automatically sound your siren up and down the scale for any length of time you specify. Just press a button and the alarm begins . . . The Automatic Siren Control is available for any siren, regardless of capacity . . . Operates perfectly in conjunction with your present remote control equipment.

No. 325 Automatic Siren Control..... **$34.50**

REMOTE CONTROL FOR ALL MAKE AND SIZE SIRENS



A heavy duty magnetic switch operates on low current to close the high power circuit to the siren motor. This takes the heavy load off the necessarily small contact points of the operating switch . . . Permits installation of push buttons, fire alarm boxes, time clocks and other operating devices, at different and remote points, as desired . . . Eliminates the expense of running high capacity cable for great distances to reach distant alarm stations . . . Improves performance by admitting full power load to the siren . . . Equipped with thermal cutouts which automatically protect siren from damage resulting from overheating, short circuiting or single phasing . . . Specify make and model of your siren, h.p. rating, voltage, cycle, phase and AC or DC.

No. 433 Remote Control **$23.50**

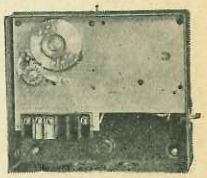
Heavy Duty Station Push-Button

Two types of heavy duty push buttons for operating Tornado-Tones or any other standard make siren . . . "Start-Only" type makes contact only as long as the button is pressed . . . "Start-Stop" type has switch equipped with two buttons; "start" button makes and holds contact until "stop" button is pressed, breaking the contact.

No. 353 "Start-Only" Push Button..... **$3.00**

No. 354 "Start-Stop" Push Button..... **$3.00**

ELECTRIC PROGRAM CLOCK FOR ALL MAKES OF SIRENS

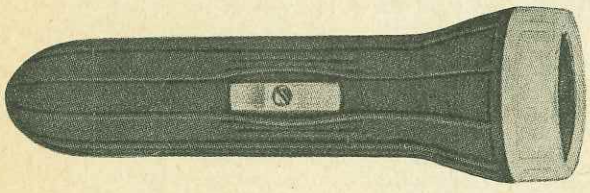


Meets the demand for an accurate and thoroughly dependable siren operator at a moderate cost, is extensively used by municipalities to sound sirens announcing time of day—noon, 6 p.m., 7 a.m., etc. Also popular as curfew signal, handling class signal systems in schools and institutions or wherever operations are at least 30 minutes apart. Mechanism consists of a duplex or double timer assembly. One timer operates on a 24-hour schedule and pin or tripper can be easily set. There is no limit to number of operations, if 30-minute intervals are maintained.

The second timer controls the duration of the signal and acts as a "compensator dial" for quick and easy adjustments to accuracy. This unit operates on a 15-minute program and switches from both assemblies are wired in series. Driven by two powerful slow speed self-starting motors. In case of current failure, motors start on resumption of current and can be easily reset. In ordering be sure to specify complete program, giving exact hours at which each signal is to take place and number of seconds each signal should operate. Also specify make of siren, h.p., voltage, cycles, and whether for single or three phase current.

No. 389 Electric Program Clock..... **$49.50**

THE NEW "GENERAL" PLASTIC FLASHLIGHTS



Every guard, fire marshal, safety director, warden, and inspector, should carry one of these fine, streamlined, durable plastic flashlights.

These plastic flashlights conform to the same standard of quality which identifies other "General" safety items.

Three-Cell Flashlight with Bulb, Less Batteries only **$1.03**

Two-Cell Flashlight with Bulb Less Batteries only **.78**

Batteries - - - - **10c each**

BUY YOUR FLASHLIGHT NOW, WHILE THEY ARE STILL AVAILABLE!

You Can't HEAR a Fire When It Starts!

Actual size app. 1½"x6".

A fire—even of INCENDIARY BOMB origin—may start and gain headway before you are aware of it.

Let LIFE-GUARD—the Automatic Fire Warning that received a nation-wide editorial reception—"HEAR" THE FIRE FOR YOU.

IN THE HOME—LIFE-GUARD relieves the fear of danger from fire at night.

IN THE FACTORY—LIFE-GUARD might summon a night watchman to prevent serious damage from a quick fire.

IN THE STORE—Let LIFE-GUARD be a constant watchman for spontaneous combustion.

LIFE-GUARD is safe! Heat waves cause two loud reports—one a few seconds after the other—in a screened sound chamber. There is no wiring or installation expense. Simply hang the LIFE-GUARD with two screws and you have priceless security against fire in your home, factory, store, boat or wherever there is danger of fire.

Remember—SECURITY CANNOT BE MEASURED IN MONEY!

No. 309 LIFE-GUARD, each..... **$3.50**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO^2 FIRE EXTINGUISHER!

Improved ACME *Full-Vision* ALL-PURPOSE Gas Mask

4A APPROVED BY THE U. S. BUREAU OF MINES—APPROVAL NO. 1435

Your safety demands that your mask protect against carbon monoxide, which is always present in all fires. But also, your mask must give protection against whatever else is in the air and likely to be harmful. One menace that has not been sufficiently guarded against is SMOKE. With Acme Masks the smoke hazard does not exist.

The Acme All-Purpose Mask affords safety and comfort in all these ways:

1. Protection against carbon monoxide.
2. Protection against all other gases.
3. Full protection against smokes, fumes, dusts, and mists.
4. The Acme Mask gives Full Vision. You can see *downward,* to walk safely and work effectively and with safety. Reasonably wide vision is necessary, but full downward vision is of the greatest importance.
5. Clear Lenses — free from fogging or steaming—enable you to see at all times. Acme No-Fog applied to inner surfaces will prevent any trouble on that score. A similar substance and method of application is standard for every U. S. Army Gas Mask. It has been standard with *Acme* for four years and is approved by thousands of *Acme* users.
6. Dead air—air breathed over and over—a common cause of unnatural weariness, is definitely eliminated by the exclusive Acme Dead Air Check Valves in the fresh air ducts of the Acme Mask.
7. Headaches due to pressure points bearing on forehead or temples are avoided. The Acme Mask has no "pressure points."
8. Gas-tight fitting is made easy and sure without uncomfortable pressure on the face. It is no longer necessary to strap a facepiece on so tightly it produces discomfort.

Type FD Masks—for Fire Department Use

No. 4 Mask Type FD, with 10″ Hose for front wear, complete with one Type FD Canister in Fibre Carrying Case, each..... **$39.90**

No. 4A Mask Type FD, with 27″ Hose for side or back wear, complete with one Type FD Canister in Fibre Carrying Case, each..... **$41.75**

Type A—for use where smoke is not a serious hazard.

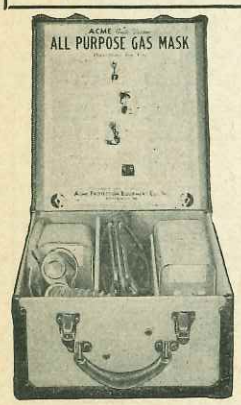
No. 4 Mask Type A, with 10″ Hose for front wear, complete with one Type A Canister in Fibre Carrying Case, each..... **$36.75**

No. 4A Mask Type A, with 27″ Hose for side or back wear, complete with one Type A Canister in Fibre Carrying Case, each..... **$38.60**

Acme All-Purpose Canisters, Type FD, each..... **$5.80**

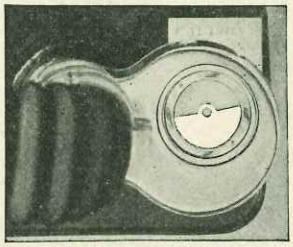
Acme All-Purpose Canisters, Type A, each..... **$4.20**

For White Full Vision all rubber Face Pieces add each..... **$1.60**



The carrying case, built of hard vulcanized, laminated fibre, is waterproof and will not warp. This superior carrying case will last for years.

THE ACME AUTOMATIC TIMER



A glance at the Acme Automatic Timer will tell how much of the service life of the canister has been used up and how much life remains. You know to begin with that a new canister is designed for two hours of actual service any time within a year, whether use is continuous or intermittent.

The Acme Timer disc face is half-red and half-white when service begins. As the canister is used the white area gradually decreases and the red increases until finally, at the end of two hours' service, the white has all disappeared and the entire area is red. In addition, the face is clearly marked with figures to represent the fraction of useful time remaining: "¾," "½," "¼," etc.

The dial is near the surface—not sunk deep inside the instrument—and is of good size—therefore easily seen. To mis-read it is practically impossible. When it has turned all-red, it will stay all-red and cannot possibly start recording another two-hour period until reset. The sturdy mechanism never fails.

THIS MASK HAS NO EQUAL FOR UNIVERSAL PROTECTION TO THE FIREMAN IN HIS WORK

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

ACME *FULL-VISION* GAS MASKS

For Protection Against Organic Vapors, Acid Gases, Ammonia and Solid Smoke Particles

No. 774—$21.05

Masked firemen must be able to see clearly at all times for safety and efficiency. The Acme Full-Vision Safety Glass Lenses provide unobstructed vision—an important forward step in gas mask design. The Full-Vision Safety Glass Lenses are *really* safe and are easily replaceable, eliminating the necessity of returning the mask to the factory for replacements. Lens construction is approved by the U. S. Bureau of Mines as thoroughly gas tight.

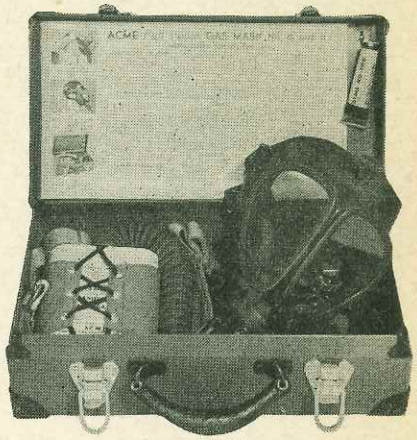
A lightweight, all-rubbber face piece, fully molded and cured, gives utmost comfort. Highest quality rubber, with approved anti-oxidant, assures pliability and long life. There are no rivets, no threads, no adhesive tape pads to irritate the face and cause discomfort. The head harness is specially constructed to provide a downward pull. Five point construction eliminates pressure points on the forehead.

One-way valves on the fresh air duct outlets eliminate rebreathing of exhaled air. Fresh air is directed over the inside surface of the lenses to remove moisture and prevented from going directly to the eyes. A standard U. S. Army type exhalation valve provides against exhalation resistance. Each mask is supplied with a long-lasting tube of Acme No-Fog to protect against accumulation of fog inside lenses.

Mask is shipped complete as shown below, with Full-Vision face piece, canister, connecting tube and harness, all in a strong waterproof carrying case of genuine hand-vulcanized fibre. Canister usually supplied protects against organic vapors, acid gases and ammonia, but canisters offering protection against any type gas are available on order.

No. 774 Acme Full Vision Gas Mask with Canister for Organic Vapors, Acid Gases and Ammonia **$21.05**

Extra Canisters **$2.50**



Both styles are shipped in sturdy fibre carrying case.

No. 775—$15.78

ACME *FULL-VISION* SNOUT TYPE CANISTER MASK

This mask is ideal for work in low gas concentrations or for short periods in higher concentrations. Made of the same quality materials and with the same fine workmanship as No. 774, above.

Short, snout-type canister permits freedom of movement. Two outlet valves provide for easy escape of exhaled breath and permit better voice audibility.

Canisters are the same as those with No. 774, but less in quantity and hence shorter-lived.

Mask is shipped in sturdy carrying case of waterproof fibre, complete with face piece, canister and head harness, ready to use. Canister for organic vapors, acid gases and ammonia is usually shipped, but you may have canister for any particular gas you specify.

No. 775 Acme Full Vision Snout Type Gas Mask with Canister for Organic Vapors, Acid Gases and Ammonia **$15.78**

Extra Canisters **$2.50**

ACME *FULL VISION* STANDARD HOSE MASK

Positive Protection Against Carbon Monoxide

Here is the ideal mask equipment for firemen who are frequently called upon to work in high concentrations of gas or when oxygen deficiencies exist. In such situations only a Standard Hose Mask can be used with absolute safety. The Acme Full Vision Standard Hose mask is the finest equipment obtainable for penetrating dangerous gaseous or oxygen deficient workings for short distances from the air supply.

Equipment consists of the famous Acme Full Vision Face Piece, Standard Harness, 25 ft. of 1″ medium weight, oil-proof and kink-proof hose, funnel, spike and hook, all in substantial fibre case. Funnel end is placed in the fresh air and the hose coupled up between the funnel and the headpiece. With this arrangement, you have a steady supply of fresh air and can work in ease and comfort, with perfect vision and perfectly controlled air supply. Maximum vision and fresh air are most important to a fireman in the performance of his work. The Acme Mask supplies both.

Your working territory is limited only by the length of the hose. If you desire to use the mask for greater distances, additional 25 ft. lengths of hose, complete with couplings, can be purchased. You can breathe perfectly through 50 ft. of hose, and tests have proven that even at 75 ft., breathing is satisfactorily accomplished. For distances of more than 75 ft., we supply the mask with a special blowing device which forces fresh air through the hose. This device is approved by the U. S. Bureau of Mines as permissible when equipped with either one or two 150 ft. lengths of hose. Prices on the blower type respirator for extra long lengths of hose will be quoted on request.

The equipment, regardless of the length of hose, is comfortable and its easy application gives confidence to the fireman. Furthermore, since the equipment has no dependence on chemicals or compressed oxygen, it can be used over long periods with little or no maintenance cost.

Acme Full Vision Standard Hose Masks provide firemen with the very best available protective equipment—this is a fact that can be quickly established once this equipment is placed in service.

No. 795 Acme Full Vision Standard Hose Mask, complete as illustrated with 25 ft. of 1″ hose **$48.50**

Extra 25 ft. lengths of hose with couplings attached, each **$15.80**

SEE PAGE 42—GENERAL'S NEW *FRIGIDFOG* CO_2 FIRE EXTINGUISHER!

"SKIN-A-CAT" RESPIRATOR

This is one of the finest smoke and dust respirators ever developed for firemen. . . . Has two check valves and an exhalation valve to keep moisture from collecting and to prevent re-breathing of air. . . . All rubber face piece, impossible to break. . . . More than 40 square inches of clear breathing area. . . . Weighs only 5 ounces, can be carried in the pocket. . . . Conversation is easy when mask is on.

No. K174 "Skin-a-Cat" Respirator..... **$2.50**

MASK AND EYESHIELD

Just the thing for firemen—can be carried easily in the pocket and slipped on and off in a few seconds. . . . Why get sick from fumes and gases when this simple, low-priced device gives you protection?. . . . Perfect vision—glasses will not fog. . . . Absolutely fume-proof. . . . Large, fine, compressed sponge breathing filter. . . . Quick-acting valve works wet or dry. . . . Headbands insure perfect fit. . . . Goggles are gas- and fog-proof. . . . At this low price every fireman should have one.

No. 497 Combination Mask and Eyeshield..... **$4.50**

FUMEGUARD GAS MASK

The Fumeguard Mask protects the mouth and eyes against acid and organic fumes such as ammonia, smoke, chlorine, tear gas, etc. . . . All rubber type face piece is unaffected by gas and fumes. . . . Large, shatter-proof non-fog lenses provide easy and clear vision. . . . Adjustable elastic headbands give a firm, comfortable, air-tight fit. . . . . Metal canister attaches firmly to face piece, making a strong single unit. . . . Unusually rugged to withstand rough use. . . . Simple construction makes it easy to handle and instantly available. . . . Metal canister is refillable and holds ¾ pound of filter material. . . . Entire outfit shipped in metal box with one refill.

No. K170 Fumeguard Gas Mask..... **$12.79**

HEALTHGUARD FUME KIT

Laboratory and field tested for efficiency. . . . Kit includes mask and individual cartridges for smoke and gas fumes, furnished in a sturdy fibre carrying case complete with instructions. . . . Mask consists of soft, rubber face piece to fit any face. . . . Interior is sealed against contaminated fumes. . . . Adjustable head harness eliminates readjustment each time mask is used. . . . Cartridges held in place by screw cap. . . . Inhaled air is drawn through cartridge held in place by screw cap. . . . Cartridge change takes but a few seconds.

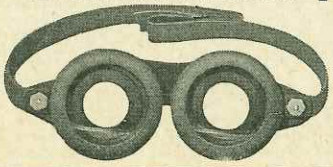
No. 605 Healthguard Fume Kit, complete with cartridge..... **$14.00**

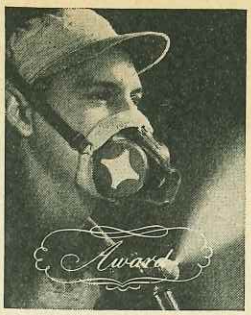
No. 606 Extra Filter Cartridge for any gas you specify, each..... **$1.25**

GAS TIGHT GOGGLES

Can be worn with any mask. . . . Positive protection for your eyes. . . . Will fit anyone. . . . Made of top quality rubber with finest lens and elastic headband.

No. 743 Gas Tight Goggles..... **$1.65**





PLASTIC RESPIRATOR

This attractive respirator won a modern plastic design award and operates as efficiently as it looks. . . . Two large felt filter pad chambers for double capacity. . . . Does not protrude and obscure vision. . . . Reversible, lightweight and comfortable. . . . Weighs only 4 ounces and will last a lifetime. . . . Filter pads may be washed over and over.

No. 498 Respirator..... **$1.65**

TWIN FILTER MASK

This rubber respirator has two large felt filter pad plates for double capacity. . . . Unobscured vision. . . . Lightweight and comfortable—easily carried in pocket. . . . No screw cap or bag to fuss with, it will stand much abuse. . . . Filter pads are washable and long lasting. . . . One of the finest respirators you can get for smoke and organic vapors—and so inexpensive every fireman can afford one. . . . Tested and approved by the U. S. Bureau of Mines.

No. 218 Twin Filter Mask..... **$2.50**

FULL-VISION RESPIRATOR

A lightweight, one-piece unit for protection against noxious fumes and gases and certain types of dust . . . Equipped with non-toxic pure rubber face-piece immune to attack by gas or fumes . . . Full vision through large, acetate window . . . Special face-piece provides soft, comfortable, air-tight seal . . . Rubber check valve in canister gives constant supply of freshly filtered air . . . Strong metal canister protects filtering contents . . . Adjustable elastic headbands with three-point suspension give a firm fit . . . Canister is refillable and holds ¾ pound of gas and fume-absorbent material . . . Entire unit is compact and takes up very little space . . . A "must" for every fire department.

No. K171 Canister Type Respirator..... **$8.90**

DUSTFOE RESPIRATOR

Has more features than any other respirator . . . You can wear it with complete comfort . . . Downward and sideways vision is unobstructed and goggles, glasses or hat may be worn . . . Easily disassembled without tools; parts are interchangeable and, except for filters, can be washed and sterilized . . . Inexpensive throwaway filters permit a new one for each use.

No. F118 Dustfoe Respirator, complete with 5 extra filters..... **$2.25**

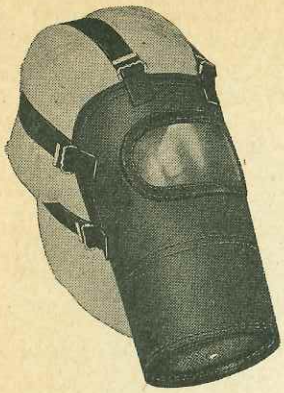
Extra Filters, package of 5..... **35c**

SMOKE AND GAS GENERATOR

Be sure your masks are in good condition . . . Use this smoke and gas generator . . . Burns about 5 minutes and generates dense volume of heatless smoke and gases in which all gas mask equipment may be tested . . . Especially valuable for training new firemen in the use of gas masks with safety and comfort—invaluable for training civilian defense workers.

No. 126 Smoke and Gas Generators, box of 12..... **$4.50**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!



GENERAL SAFEGUARD GAS MASK

For use in ammonia, sulphur dioxide or chlorine fumes . . . Facepiece and canister of one piece gas-tight material with celluloid eyepiece . . . Canister in lower part of mask contains filtering agent which lasts life of mask . . . Nothing to replace or renew, no valves —exhale passes back through canister, a patented feature. . . Fits any face.

No. 217 General Safeguard Gas Mask **$7.25**

ALL-VISION FACEPIECE

Permits unobstructed vision through all normal viewing angles . . . Extra large, scientifically contoured lenses of shatterproof glass are replaceable and interchangeable . . . Built-in, fog-proof construction . . . Minimum dead-air space cuts down rebreathing of exhaled air . . . Facepiece and head harness of special molded rubber . . . Facepiece can be sterilized . . . Complete with canister for acid gases, ammonia, organic vapors, smoke and dust . . . Case included.

No. 524 All Vision Facepiece **$20.00**

SEE OTHER MASKS ON PAGES 12, 13 AND 14

BLACK KAT GAS MASK

Designed for use in smoke and hot gases . . . Cannot be injured by water, extreme heat or cold . . . Nothing to replace or renew . . . No deterioration except ordinary wear . . . Allows you to work in dense smoke in comparative comfort . . . Small, weighs only 1¾ ounces . . . Give it a trial and you'll be convinced you should never be without it.

No. 219 Black Kat Gas Mask **$1.95**

SPEAKING TYPE GAS MASK

Same as mask above, but with special diaphragm facepiece which assures perfect communication, even over telephone or through speaking tubes . . . Same canister as above.

No. 525 Speaking Type Gas Mask, with case..... **$25.00**

This mask and mask above available with canisters for any type gas—let us know your requirements

Extra canisters for 524 and 525 ..... **$2.40**

THE NEW ALL-PLASTIC FACE AND EYE SHIELD

INVALUABLE PROTECTION FOR THE EYES AND FACE

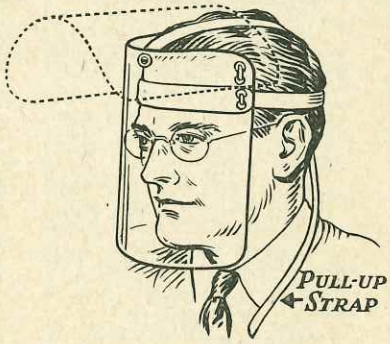
Designed specially for protection against the thousands of hazards to the eyes and face incident to the speeding up of American Industry.

TYPICAL USERS: General Motors; Thompson Aircraft; Glenn L. Martin Co.; U. S. Navy Yards; Monsanto Chemical; Union Carbide; RCA (Mfg.); American Viscose; Mellon Institute; DuPont; Carey Co.; Link Belt; Waco Air; Dow Chemical.

FEATURES

Perfect ALL-ROUND ventilation and vision; FULL-FACE protection; absence of binding and tightness; NON-INTERFERENCE with the wearing of prescription glasses; POSITIVE Lifting and Adjusting Devices.

SPECIFICATIONS: Made of Glass-Clear, Non-Flammable Acetate Plastic. APPROVED BY UNDERWRITERS' LABORATORIES. Size 10-in. by 10-in. Weight 3 ounces.



No need to touch face of shield.

$1.25

each

in lots of 12

QUICK FACTS

- **Easily adjusted for men or women.**
- **Utmost comfort; super-lightweight**
- **Non-flammable; durable; unbreakable.**
- **Maximum transparency; no side glare.**
- **Can be worn over respirator.**
- **Has sweatband holder.**
- **Easily cleaned with damp cloth.**

FOR SANITARY REASONS EVERY WORKER SHOULD HAVE A SHIELD FOR INDIVIDUAL USE. CARRY AN ADEQUATE STOCK FOR EMERGENCIES.

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

FIRST AID IS VITAL TO VICTORY

BE READY FOR ALL EMERGENCIES

2 BEST SELLERS

(Contents subject to change without notice.)

20 Gauge Steel Case • Safety Spring Lock Carrying Handle • Bracket and Screws for Hanging

No. 111A—Complete **$6.25**

- 1 Absorbent Cotton 1 oz. Package
- 16 Adhesive Compresses—Dressings 1″ x 3″
- 36 Adhesive Bandages—Assorted Dressings
- 1 Aromatic Spirits of Ammonia—1oz. Bottle
- 1 Adhesive Plaster—1″ x 5 Yards
- 12 Aspirin Tablets
- 4 Bandage Compresses 2″ Wide
- 2 Bandage Compresses 3″ Wide
- 1 Bandage Compress 4″ Wide
- 1 Boric Acid Solution 4%—1 oz. Bottle
- 1 Burn Ointment—1 oz. Tube
- 18 Cotton Tipped Applicator Sticks
- 12 Gauze Compresses 3″ x 3″
- 2 Gauze Bandages 1″ x 10 Yards
- 1 Gauze Bandage 1½″ x 10 Yards
- 2 Gauge Bandages 2″ x 10 Yards
- 1 Iodine Applicator—10 c.c.
- 1 Medicine Dropper
- 2 Triangular Bandages 40″ Width
- 1 Pair Scissors
- 1 First Aid Direction Folder

No. 128A—Complete—$18.00

(Contents subject to change without notice.)

- 2 Absorbent Cotton, 1 ounce
- 1 Absorbent Cotton, 2 ounce
- 100 Adhesive Bandages ¾″
- 100 Adhesive Bandages 1″
- 2 Sterile Gauze, 1 Yard
- 1 Aromatic Spirits, 3 oz. Bottle
- 1 Boric Acid 4% Solution, 3 oz. Bottle
- 100 Aspirin Tablets, 5 Grains
- 25 Sterile Gauze Pads 3″ x 3″
- 50 Cotton Tipped Applicators 3″
- 4 Tongue Applicator Sticks
- 1 Pair Scissors
- 12 Sterile Gauze Bandages 1″
- 12 Sterile Gauze Bandages 2″
- 2 Sterile Gauze Bandages 3″
- 3 Bandage Compresses 2″
- 1 Compress 4″
- 2 Tubes Burn Ointment 1 oz.
- 1 Triple Cut Adhesive Plaster 2″ x 5 Yards
- 1 Adhesive Plaster 1″ x 5 Yards
- 3 10 cc. Iodine Applicators 3½%
- 1 Medicine Glass
- 1 Eye Dropper
- 2 Triangular Bandages 40″
- 1 Direction Folder

APPARATUS TYPE FIRST AID KIT

Waterproof and dustproof, available in 24 and 36 unit sizes, these Apparatus Type Kits are widely used in connection with efficient fire fighting, salvage and fire prevention work.

The cases are strongly built from 20 gauge steel and electrically welded, designed to stand rough handling. All dressings are contained in an inner case, held in place by special catches, and sealed by a molded rubber gasket to keep out dust, dirt, smoke or moisture. Finished in Fire Department Red.

No. 249 Apparatus Type Kit, 24 Unit..... **$15.00**

No. 250 Apparatus Type Kit, 36 Unit..... **$19.95**

FIRST AID AUTOKIT

This automobile first-aid kit is small, compact and an essential part of the equipment of every careful motorist. Constructed of 30 gauge metal, attractively decorated, making it not only durable but ornamental. It contains the most essential first-aid items and will fit conveniently into the dash compartment, side pocket or tool box of any car.

No. 233 First Aid Autokit **$1.85**

A NEW AND TIMELY BURN AND WOUND TREATMENT!

Just when we find that we cannot any longer supply Tanic Acid emergency burn kits, we are fortunate to be able to offer BIO-DYNE!

Following is an editorial concerning BIO-DYNE in the November issue of Boat and Equipment News:

"Employing a new and fundamental approach in the treatment of burns, this product, known as BIO-DYNE, is now being placed on the market in commercial quantities.

"A long period of treatment has revealed that BIO-DYNE affords prompt relief of pain and adequate control of infection. It accelerates the rate of healing by maintaining the normal respiration of the tissues while resulting in a minimum formation of scar tissue.

"Made from fish-liver oils and heated yeast cells, years of observation by competent physicians have established that the preparation stimulates the respiration of the tissues and, without the incorporation of any known local anaesthetic, relieves pain.

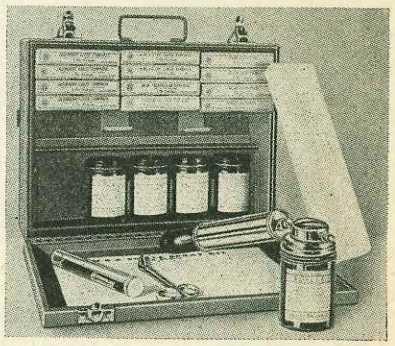
"Containing an antiseptic which does not adversely react on the tissue, BIO-DYNE is used for dressing wounds as well as burns. It is easily applied, directions for use accompanying each jar.

"ACCORDING TO A RECENT REPORT CARRIED BY TIME MAGAZINE, THE CHICAGO FIRE DEPARTMENT HAS ADOPTED THE OINTMENT AND CARRIES FIVE POUNDS OF IT ON LIFE-SAVING TRUCKS."

No. 588 FULL POUND JAR—ONLY..... **$3.00**

FOILLE SPRAY KIT

The first practical burn kit to combine advantages of spray technique with ready-to-use dressings. . . . Ready instantly—simply screw jar of Foille to pressure gun and spray. . . . Does not deteriorate. . . . Weatherproof, dustproof steel case contains 8 pkgs. absorbent gauze compress; 4 pkgs. 4″ x 6 yd. gauze bandage; 2 pkgs. 2″ x 6 yd. gauze bandage; 4 pkgs. 40″ trian. bandage; 2 pkgs. castor oil tubes; 2 pkgs. ammonia inhalants; 2 pkgs. Foille; 1 sterilized bleached muslin sheet 60″ x 72″; 1 pkg. 12 safety pins; 1 Foille spray gun with cleaning wire; 5 4-oz. jars Foille; 1 camel hair brush for Foille; 1 pr. 5½″ curved bandage scissors.

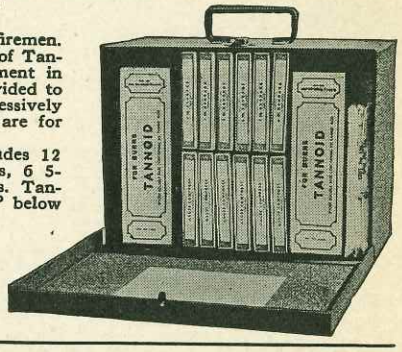


No. F117 Foille Spray Kit, complete **$24.00**

BURN TREATMENT KIT

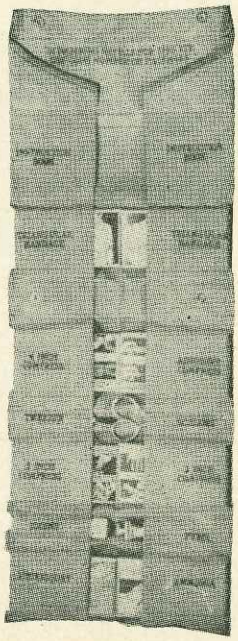
A new burn kit specially designed for firemen. Case is 20 gauge steel. Contains six tubes of Tannoid, the famous tannic acid burn treatment in water soluble jelly. Gauze compresses provided to cover Tannoid are folded to open to progressively larger sizes up to 24″ square. Bandages are for use in holding compresses in place.

Kit measures 11¼″x8¼″x5″ and includes 12 4″x6 yard bandages, 12 gauze compresses, 6 5-ounce tubes Tannoid, 9 tongue depressors. Tannoid useable in temperatures as low as 20° below zero where other tannic acid jellies will freeze and become worthless. This low freezing temperature is of particular importance where first aid kits are exposed to low temperatures such as on fire trucks in sub-zero weather.



No. 492 Burn Kit..... **$13.25**

BULLARD ROLL-UP FIRST AID KIT



Handy to use in any location, the Bullard Roll-Up First Aid Kit is light weight and compact—measuring but 9″ x 3¼″ rolled. It is adaptable for use in the office, in the home, or carried in the glove compartment of vehicles. The Roll-Up is especially recommended for use by air raid wardens—a simple shoulder strap adapting it for this use.

Contents is clearly marked on the canvas. This Roll-Up may be carried to the scene of the injury. In use, the contents may be kept free of dirt by laying it across the arm—at the same time, leaving both hands free for injury treatment.

The standard assortment selected after consultation with leading industrial surgeons includes:

- 2 packets, triangular bandages
- 1 packet, 4″ compress
- 2 packets, 2″ compress
- 1 packet, 1″ adhesive compress
- 1 packet ammonia inhalants
- 1 tourniquet
- 1½ oz. tube Pyrol burn ointment
- 1 bottle, Multi-Aply Iodine
- 1 pair tweezers
- 1 pair scissors
- 1 First Aid Instruction Book

No. 31 Roll-Up First Aid Kit..... **$4.90**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO^2 FIRE EXTINGUISHER!

QUALITY WATERPROOF BUNKER SUITS

Every One Checked and Double-Checked

Here's a bunker suit that laughs at severe use. Specially designed by our rubber clothing experts to withstand the rigors of fire department use, this high quality bunker suit sets a new standard of value and is one of the finest examples you can find of General City Service quality and economy. Every suit is checked and double checked at the factory through various phases of its manufacture to insure full waterproof qualities. All edges and seams are sewed, strapped and cemented. Keep warm and dry at all times—don't risk danger from ice, sleet, rain and snow when you can get protection at so low a cost.

LOOK AT THESE FEATURES:

Finest quality 18-ounce rubberized drill material and heavy blanket lining . . . Coat 38″ long . . . Large corduroy covered collar . . . Heavy metal dee rings and riveted snaps . . . Two large patch pockets . . . Trousers with zipper front and adjustable belt . . . Two deep trouser pockets . . . All seams sewed, strapped and cemented.

No. 212 Firemen's Waterproof Bunker Suits **$17.00**

Coat only . . . . . **$9.50** Trousers only **$7.80**

Prices include Federal Excise Tax.

Be sure to specify size of both coat and trousers when you order. For size 48, add 25c; size 50, 50c; size 52, 75c, etc.

FIRE-FITER ASBESTOS SUIT

Every fire department needs one or more of these Fire-Fiter Asbestos Suits. Complete unit includes helmet, shirt, gloves, trousers and shoes, all of Underwriters asbestos cloth. Helmet, with shatterproof isinglass, drops well over shoulders . . . Gloves are lined . . . Shoes are heavily sewed and leather reinforced, with buckle fastening . . . All parts of the suit are easy to put on . . . Includes special carrying case which can be hung up and instruction book.

No. 450 Fire-Fiter Asbestos Suit, complete **$35.00**

Any part of suit may be ordered separately—prices on request.

MORE PROTECTION WHILE DRIVING

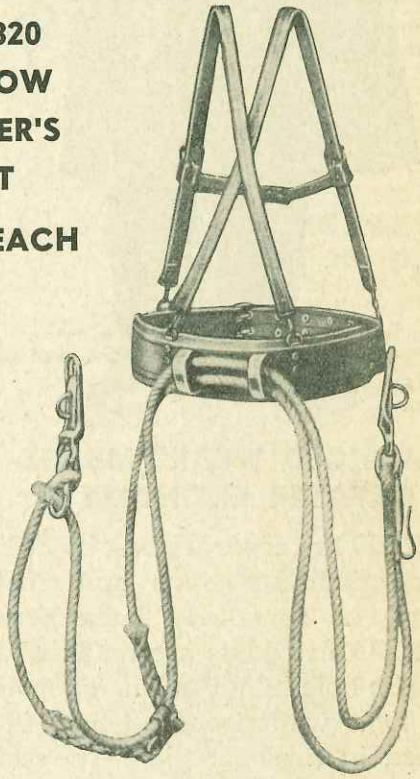
FACE SHIELD

Designed essentially for protection against frostbite, this shield is just as useful in hot spots. It shields the eyes and face from blistering heat and smoke in close-up work. Many firemen tell us they would not be without one. Features include: Olive drab wool fabric, soft nap back for face comfort and warmth . . . Ample opening for breathing and talking . . . Wide vision goggles, ventilated to prevent fogging, shatterproof lenses . . . Soft, fur-like edging eases pressure around eyes . . . Held in place by adjustable headstrap . . . Won't slide down when helmet or hat is put on.

No. 118 Fireman's Face Shield **$3.50**

NO. 820 WINDOW WASHER'S BELT

$17.50 EACH



This belt contains the utmost in safety features. It has a main belt of heavy natural color genuine steer hide leather specially tanned and curried for safety belt work. It is equipped with two tongue forged steel safety buckle and the part of the belt containing the buckle holes is reinforced with heavy latigo leather. Each hole contains a brass grommet and washer. Use of the two tongue buckle materially increases the buckle strength because any jerk load applied is distributed over two tongues instead of on one tongue. The rear of the belt has a 3″ soft leather pad for comfort. The method of securing the rope to the belt is entirely new in design. A forged steel dee goes completely around the main belt into which are inserted rope guides which have no function to perform other than to hold the rope in proper place. The upper rope eye through which the work rope runs is equipped with hardened and waterproofed hydraulic leather so that the rope rides on the leather rather than the metal, thereby considerably increasing the life of the rope. The belt, of course, contains our standard rope construction which is explained above. The belt is equipped with 7/8″ removable leather shoulder straps containing chest adjustment.

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

NEW AMMOCURED FIRE COATS

No. F520
Rexfire Ammocured Coat
46" long
$9.95
Including Tax

100% WATERPROOF • LONGER WEAR • GREATER COMFORT

A "nearly waterproof" raincoat won't do. When you buy a raincoat you want one that's 100% WATERPROOF! You want a coat that will give you long wear and complete protection. Nothing less will give you utmost satisfaction. We can recommend these fire coats as outstanding values, because we know they combine every feature you desire at the lowest cost consistent with quality.

"BALANCED WEAR" MEANS GREATER ECONOMY

AMMOCURED fire coats are best by every test. Unlike coats stitched together and treated by "oil dipping" or so-called "latex spraying," AMMOCURED fire coats are made without a stitch or needle hole in any seam. They are permanently 100% waterproof because they are literally fused in a single piece—no seesawing threads to reopen needle holes at vital points.

They are specially designed to meet the many kinds of wear a fire coat receives—stretching, heat, sunlight, bending, folding and rubbing. Each step in the AMMOCURE process is designed to meet one or more of these types of wear. That's why you get "balanced wear" with an AMMOCURED coat.

At the same time, AMMOCURED fire coats take a load off your shoulders. They are unusually light and give maximum freedom and flexibility.

Model F517, shown at right, is lined for extra warmth.

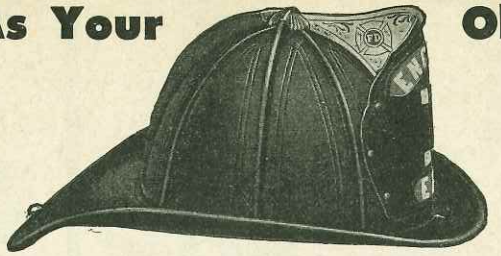
FUSED INTO ONE SINGLE PIECE! NO STITCH OR NEEDLE HOLES!

No. F517
Guardian Ammocured Coat
46" long
$10.20
Including Tax

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

GENUINE CAIRNS LOW TYPE FIRE HELMETS

Comfortable As Your Old Felt Hat!



Chiefs who demand the best in headgear for their men will find this helmet meets every service condition. It is standard in the United States and many other countries because it will outwear any other.

Made of the best quality grain leather specially tanned to give toughness. The completed helmet is given a hardening treatment to hold its shape and resist heat. Best material, careful workmanship and a final finish of special paints combine to make this helmet unusually durable.

Each helmet is individually equipped with the famous Cairns cushion lining. A flexible ring, set inside the lining, yields to the head, molds itself to irregularities in shape, yet resists all motion to remove the helmet from the head. You'll find the Cairns helmet has the comfort of your old soft felt hat—it CUSHIONS—it INSULATES—and it GRIPS. No matter what position you may be in—pulling down a ceiling, leaning over a coupling, dashing over rough streets on speeding apparatus—the helmet holds securely to the head without uncomfortable pressure. Specify size.

No. 513 Cairns Cushion Lined Helmet, Black, with front piece, in any color combination **$11.40**

No. 514 Same in WHITE for Chief, with Special Gold Insignia and Chief's front piece **$13.50**

AIR RAID HELMET

Shaped like the famous doughboy hat, the broad rigid brim properly sheds water and protects against falling materials.

Molded in one piece from hard, smooth laminated bakelite composition, remarkable for its fracture-resisting properties and its resistance to the deteriorating effect of water, oil and perspiration. Tremendous strength resists impact—light weight and cushion lining contribute to comfort. Genuine leather sweatband. Available in 1/8 sizes from 6 to 8—be sure to specify your size.

No. F159 Air Raid Helmet..... **$4.00**

No. F160 Same, with genuine leather chin strap and D ring... **$4.50**

Regulation Light Weight Leather Helmet

An Unusual Value at Only $9.80

Produced to meet the demand for a regulation style helmet of fine quality at a moderate price. Made of best grain leather. Finish and trim are same as the heavier No. 511 above. Has a felt lining mounted on a fibre band firmly riveted in place. Specify size and front piece lettering.

No. 504 Cairns Light Weight Helmet.. **$9.80**

HELMET STRAP

A handy hanger for suspending helmets from rail of apparatus. Substantial strap and buckle with harness strap . . . Snaps into ring on helmet brim . . . Keeps helmets out of the way of hose and other equipment, yet is always in readiness.

No. 227 Helmet Strap, each..... **45c**

Per dozen **$4.00**

WARBABY HELMET

Like all other Cairns helmets, made of best grain leather. Same style reinforcement as No. 511. Crown has four stiffening ribs. Brim reinforced with wire sewed into edge. Equipped with famous Cairns Cushion Lining. Frontpiece with number as shown, or department initials. Specify size.

No. 431 Warbaby Helmet **$9.20**

COMPOSITION HELMET

Molded in one piece from durable micarta, highly fracture-resistant to withstand heavy blows. Genuine leather chin strap, heavy reinforcing ribs, reinforced brim edge, soft cushioned inside construction. Helmet black only, frontpiece available with any color combination, any wording. Specify size.

No. 214 Composition Fireman's Helmet. **$8.95**

IMPORTANT

Be sure to give hat size and color combination desired. All helmets made in the following color combinations. Specify your choice by letter —A, B, C or D.

	A	B	C	D
Body	Black	Black	Red	Red
Front	Black	Red	Red	Black
Panels	Red	Black	Black	Red
Letters	White	White	White	White

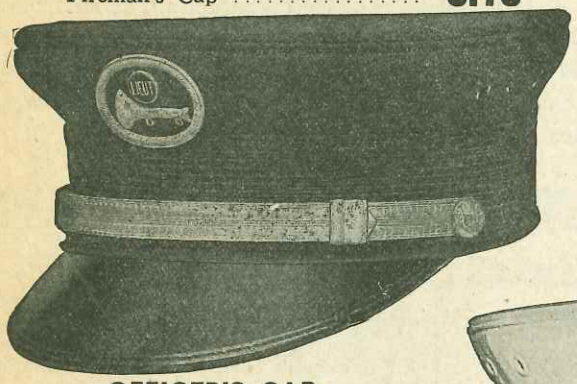
SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

Here's Real STYLE in FIREMEN'S CAPS ... and Real ECONOMY TOO!

NEW YORK STANDARD CAP

This regulation cap used by the New York City Fire Department is standard with firemen everywhere. It's handmade on the original cane frame from either blue wool cloth or blue serge. Bell type crown, genuine leather sweatband, celluloid sweat protector and leather visor. Fire department buttons and trim. Will hold its shape indefinitely. You'll get years of service from this cap. When ordering specify size and material. Emblem not included.

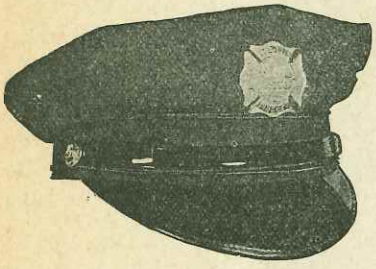
No. 264 New York Standard Fireman's Cap **$3.70**



OFFICER'S CAP

Designed especially for captains and lieutenants, this attractive cap is handmade on the original cane frame from either blue wool cloth, blue serge or blue leatherette. Bell type crown, genuine leather sweatband, celluloid sweat protector and leather visor. Fire department buttons and trim. Specify size and material choice. For gold officer's insignia, add $2.95.

No. 355 Officer's Cap **$4.45**



SOFT CROWN CAP

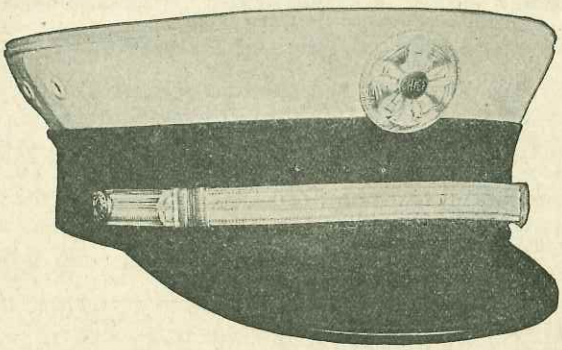
A smart 8-point cap of blue wool cloth or serge. Strong front support helps maintain lasting shape. Waterproof band. Two rows of black soutache. Specify size and material. Price does not include emblem.

No. 328 Fireman's Cap **$3.95**

CHIEF'S WHITE CAP *(Below)*

Here's a fine quality cap for the chief or other officials of the fire department. Beautifully trimmed and made on the original cane frame from durable white washable leatherette. Black velvet band, gold strap and buttons. All regulation features. This cap is an outstanding example of fine craftsmanship. Specify size and material. For gold chief's insignia shown, add $2.95.

No. 265 Fire Chief's White Cap **$4.95**



DRESS UP! WITH A NEW CAP STRAP

METAL. Flexible, complete with two buttons for attaching to cap.

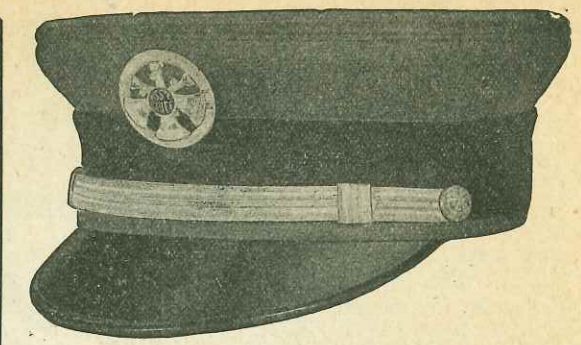
No. 359 Gold Plated, for Chief or Assistant Chief **$1.50**

No. 360 Silver Plated, for Captain or Lieutenant **$1.40**

WIRE LACE. Regulation style used on all firemen's caps. Two buttons for attaching to cap included.

No. 361 Gold Finish, for Officers **$1.50**

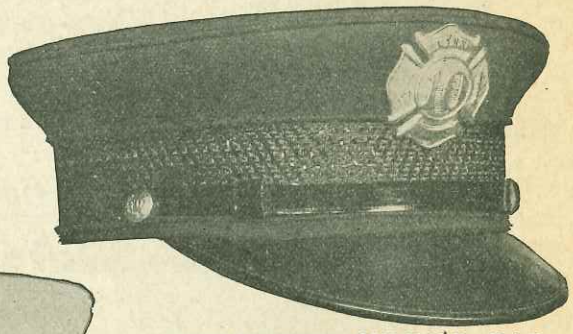
No. 362 Silver Finish, for Privates **$1.50**



CHIEF OR ASSISTANT'S CAP

Regulation style for the chief or assistant chief. Made on the original cane frame and available in blue wool cloth, blue serge and blue leatherette. Velvet band and gilt strap, bell type crown, genuine leather sweatband, celluloid sweat protector and leather visor. Fire department buttons and trim. Specify size and material. For gold insignia, add $2.95 to price of cap.

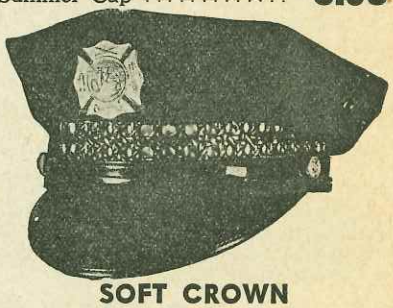
No. 356 Officer's Cap **$4.45**



VENTILATED SUMMER CAP

The ideal cap for summer wear. The ventilated cane band is covered with black ventilated silk braid. Bell type crown, genuine leather sweat band, celluloid sweat protector and good quality leather visor. Fire department buttons, attractive trimmings. Made in blue wool cloth, or serge. Specify size and material choice. Price does not include emblem.

No. 263 Fireman's Ventilated Summer Cap **$3.98**



SOFT CROWN SUMMER CAP

Attractive 8-point windblown style summer cap. Ventilated cane waterproof band keeps you cool in warmest weather. Band has glossy black finish. Available in blue wool cloth or serge. Specify size and material. Price does not include emblem.

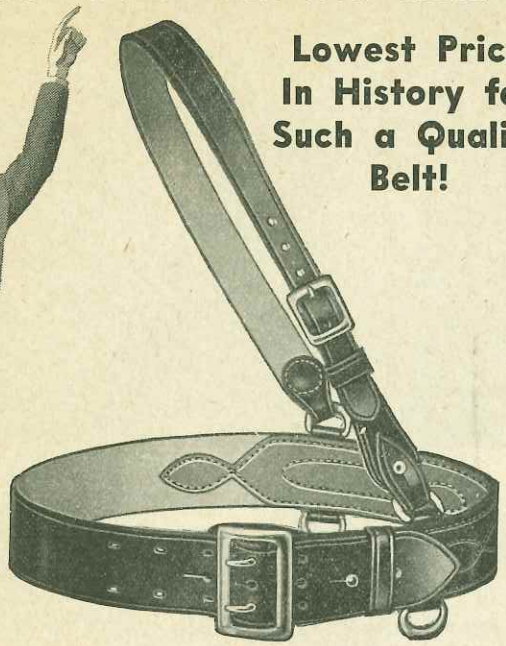
No. 266 Fireman's Soft Crown Summer Cap **$3.85**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

Police Officer's Sam Browne Belt

With New Detachable Belt Hook

Lowest Price In History for Such a Quality Belt!



Here is perhaps our biggest bargain for Policemen. The finest Regulation Police Sam Browne Belt on the market. Should be selling for $6.00 or more, but our special introductory price *is only* **$4.75.** Truly one of the most amazing leather goods values ever offered.

Equipped with the popular new style Detachable Hook and Buckle. Belt can be slipped on or off in a second. Hooks fasten securely over the bar of the buckle and hold the belt neatly and snugly in place. Both buckle and hook are the popular Colonial Brass style, preferred by Police Officers the country over. Buckle is easily adjustable to fit wearer.

Complete outfit is regulation with all Police Departments, made of Top Grain Imported Bridle Cowhide; satin-faced, 18-inch russet bridle liner; fancy Campbell Bosworth stitching; non-tarnishing heavy solid brass hardware, 2¼-inch width. Furnished in three colors—black, cordovan and English russet-tan. Made in white leather at a cost of $2.00 additional. Specify size and color desired when ordering.

No. 664 Sam Browne Belt..... **$4.75**

Belt and Holster Combination

The New York Regulation Police Belt and Holster Equipment. Has metal prong hook-on and swiveled holster for perfect riding comfort. Belt has all the features of the Sam Browne described above. Correct styling throughout, neat and smart in appearance.

$7.90

Available with Flap Type Holster as Shown or Open Type if Preferred

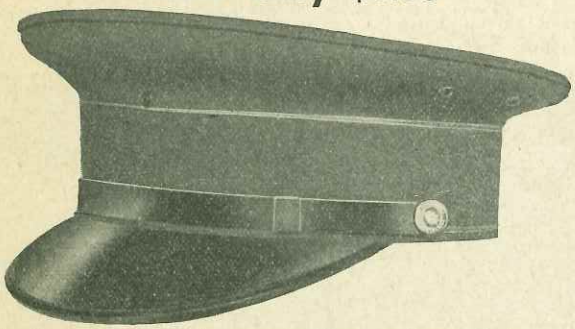
No. 601 N. Y. Regulation Belt Equipment with polished brass hardware **$7.90**

No. 602 N. Y. Regulation Belt Equipment with Chrome hardware **$8.75**

Specify Flap or Open Top Holster

When placing your order, be sure to mention size and color desired. Also give make, model, caliber and barrel length of your gun and specify flap or open top holster.

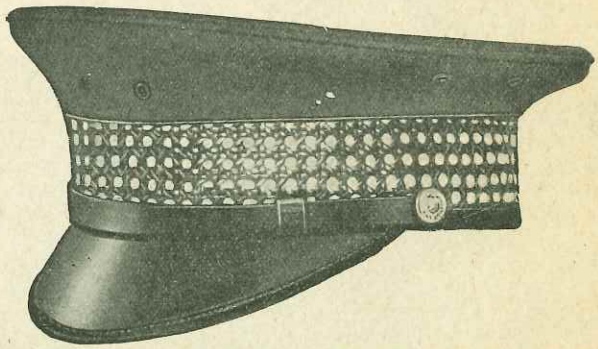
New Regulation Police Cap Now Only $3.35



Here is the cap which is practically a universal choice among all Police Departments. Made in the finest all-wool blue Police Cloth obtainable. Or, if you prefer, we can make it of blue Police Cap Serge. State your preference on your order. Flared bell genuine leather sweatband, solid leather visor, Police Department buttons and trim. Constructed throughout of the finest materials money can buy. Specify size when ordering.

No. 939 Regulation Police Cap..... **$3.35**

Policeman's Summer Regulation Cap with Ventilated Cane Band

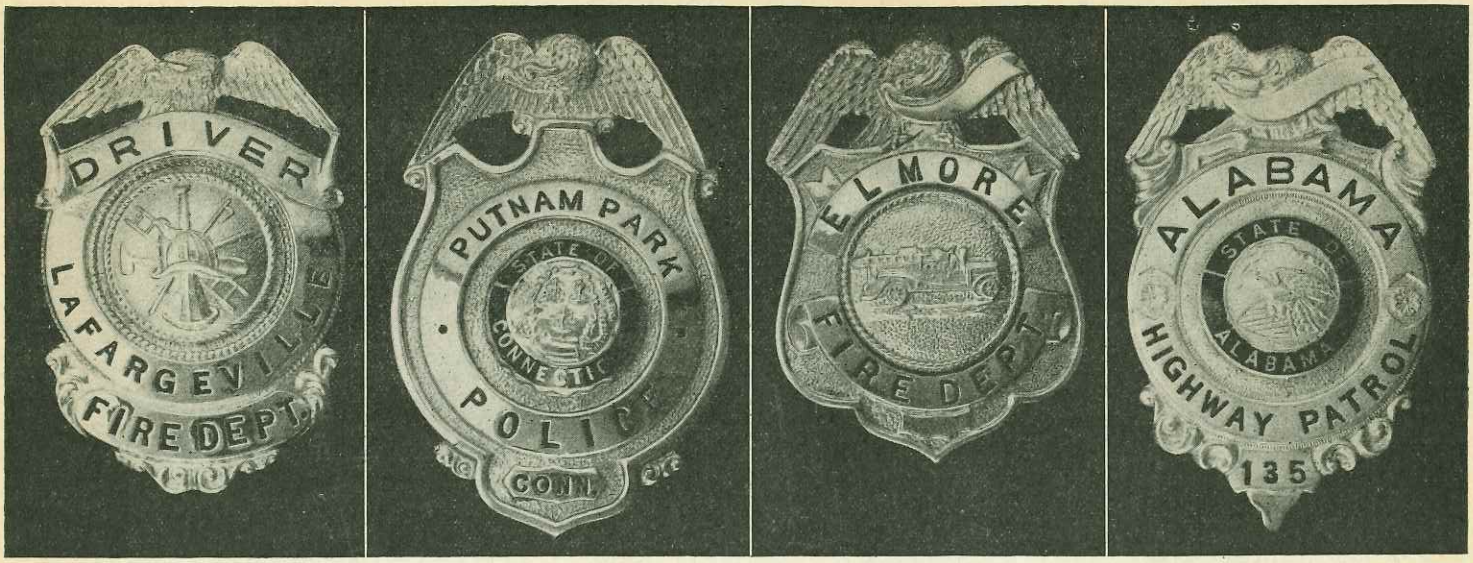


Here is the same regulation cap described at left, except with a ventilated rattan band for summer wear. The coolest, most comfortable and finest summer Police Cap made.

Made of finest quality blue Police Cap Serge. Genuine leather sweatband and visor, Police Department buttons and trim. A great favorite among Policemen everywhere. Will wear like iron. Specify size when ordering.

No. 948 Police Summer Cap **$3.35**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!



No. 544 No. 557 No. 523 No. 537

SATIN SILVER FINISH BADGES

Handsome • Decorative • Practically Indestructible

If you want a badge that's unusually attractive and one that will keep its attractive appearance for years, you'll order one of the handsome satin silver badges shown here.

Every fireman should have an attractive badge as the symbol of his contribution to the welfare of his community. These badges feature unusually handsome designs that will add to your prestige.

All badges shown on this page are well made and will last for years. Each has a fool-proof safety clasp for protection against loss.

Any Style Only $1.19

More and more firemen are finding these satin silver badges are unusual bargains at the low price of only $1.19.

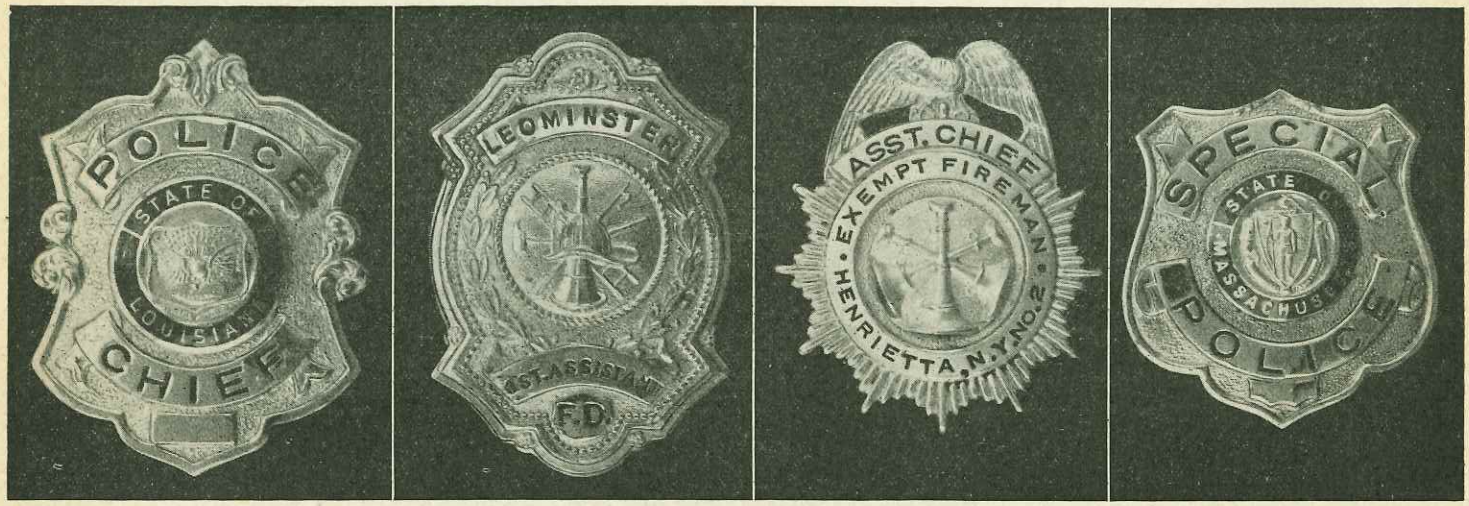
IMPORTANT

When ordering be sure to specify exact lettering and centerpiece design desired. Be sure to select a badge that will accommodate all of the lettering you specify.

Made-to-order badges are not returnable except for error on our part.

NO BADGE ORDER ACCEPTED FOR LESS THAN $10.00

No. 595 No. 592 No. 575 No. 608



SEE PAGE 42–GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

Gold Plated Badges Are Attractive and Long Lasting

Badges of this quality and design usually sell for double this attractive low price.

Only $1.95

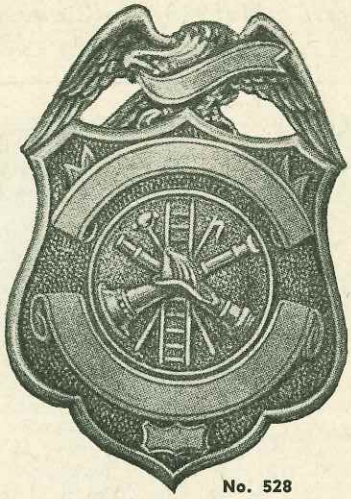
Perfect detail and artistic design make these badges an outstanding buy.

FINEST QUALITY–ARTISTIC DESIGN

Every Officer, Fireman and Volunteer will be proud to display one of these attractive badges. If you're quick to recognize a bargain, you'll say these badges would be a value at twice the price. Note these features: Smart, modern design . . . Glistening finish . . . Highest quality workmanship . . . Fine gold plate . . . Lettered to your order with any centerpiece desired . . . Safety clasp included.

No. 527

No. 522



No. 528

No. 529

No. 527 Gold Plated Badge **$1.95**

No. 522 Gold Plated Badge **$1.95**

Illustrations Actual Size

No. 529 Gold Plated Badge **$1.95**

No. 528 Gold Plated Badge **$1.95**

Safety Clasps Included

REGULATION STYLE CAP EMBLEMS

No. 496

No. 496

Satin Silver **$1.75**

Gold Plated **$2.95**

No. 501

Satin Silver **$1.75**

Gold Plated **$2.95**

No. 491

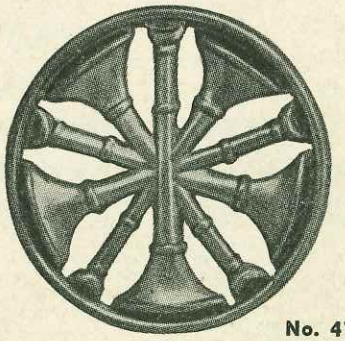
No. 491

Satin Silver **$1.15**

Gold Plated **$1.95**

No. 501

GOLD PLATED CAP EMBLEMS



No. 412R

No. 407

You'll like these beautifully designed gold plated fire chief emblems. Each is heavily plated with pure 24-karat gold. Richly hand burnished and furnished with screw post fastener for attaching.

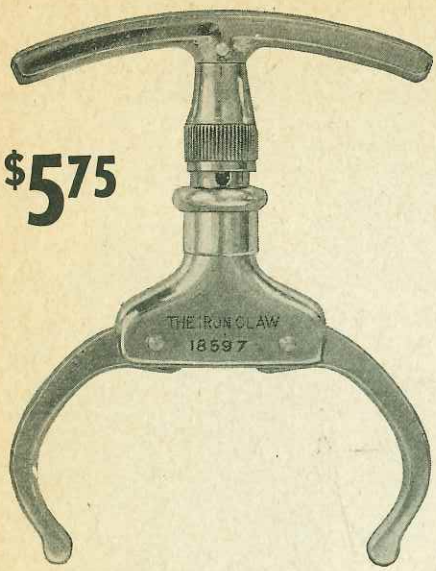
No. 412R **$2.00**

No. 407 ..... **$1.95**

Either of these emblems can be furnished with three trumpets for the assistant chief, two trumpets for the captain or one trumpet for the lieutenant.

NO BADGE ORDER ACCEPTED FOR LESS THAN $10.00

SEE PAGE 42–GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!



$5.75

THE ORIGINAL IRON CLAW

A More Powerful Grip Than Any Human! The Protector of Law and Order!

The Iron Claw is so RADICALLY different—so *utterly* new—so unique in principle and *results*—that it deserves from every law officer a few moments' *concentrated* attention. It is the most farsighted investment—the soundest insurance that any law officer can buy for protection against injury while handling a fractious prisoner.

Made of highly polished alloy and steel, strong and durable, and may be carried in the hip pocket or the outside overcoat pocket. Can be used in a flash to subdue an unruly prisoner, while a slight twist to the right increases the tension of the grip. The ratchet arrangement prevents any back slipping. Approved and used by State, Municipal and Federal officers.

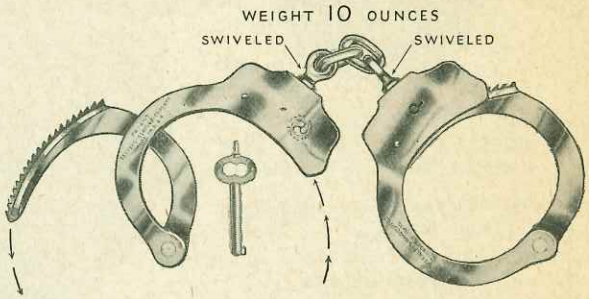
No. 913 Iron Claw..... **$5.75**
Leather Carrying Case ..... **.75**

NIGHT WATCH CLOCK

Here is a municipal registering system with station boxes for the night watch in cities. Provides a perfect record of the night watchman's activities, completely safe-guarded from tampering so that the report of the watchman's movements is absolute and final . . . During the night there is no more important piece of equipment than one of these clocks . . . Station boxes can be placed at various key locations throughout the town which will assure the entire community of efficient night watch and patrol at all times . . . The clock contains a paper dial which records the exact time each station key is inserted . . . These nightly records can be preserved and referred to whenever necessary . . . Sturdily constructed . . . Further protected by a leather pouch, as illustrated. Shoulder strap also included.

No. 390 Municipal Watch Clock..... **$65.00**
No. 391 Station Boxes, each..... **$2.75**
Prices Include Tax

GENUINE PEERLESS HAND CUFFS



Here is the finest hand cuff made. Easily accessible double lock. Very light in weight—only 10 ounces. Non-pickable lock. Folds easily and compactly for pocket. Positively cannot become locked in pocket.

The Peerless is so made that the locking jaw can be continuously revolved unless stopped by a person's wrist. If it is accidentally closed, it can be opened by the officer with one hand by pushing the jaw once around without the use of a key. (See arrows above.) The Peerless is self locking when placed on a person's wrist and can also be locked in a fixed position, if desired. It is simple, has no projecting shoulders and nothing to tear or rip the pocket. A beautifully constructed piece of mechanism, made of the finest tempered steel, heavily nickel plated.

No. 906 Peerless Hand Cuffs **$13.50**

NEW TORPEDO FOUNTAIN PEN TYPE TEAR GAS GUN

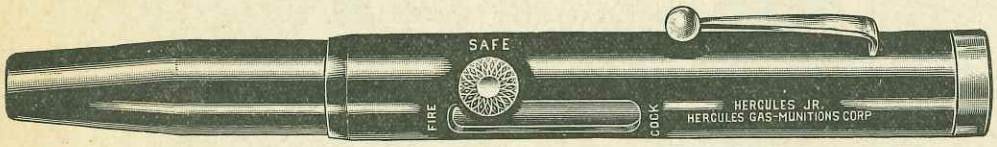
.38 Caliber

The latest development in a high quality protective tear gas instrument. No other like it. Streamlined and pleasing in appearance, practical and efficient in action. For Police Officers, Sheriffs, Detectives, Bankers, Cashiers, etc., requiring a powerful weapon which can be carried as a fountain pen. Meets any emergency in store, bank, office, in the car, at home or on the street. Has Positive Safety Lock which prevents accidental discharge. Also equipped with the new Vaporizing Bar, which stops the wads that seal the gas shells, preventing them from leaving the gun.

Ammunition: .38 Special Extra Long cartridge. Overall length 5¼ in. Finish: Polished black aluminite, brass plated and lacquered firing pin and trigger. Gold filled clip. Weight 1¾ oz.

No. 931 Torpedo .38 Tear Gas Gun..... **$8.50**

HERCULES SENIOR AND JUNIOR TEAR GAS PROJECTORS



The .410 Gauge Senior

Fires powerful .410 ga. cartridge containing three times as much gas as the .38 cal. Overall length 5⅞ in. Black enamel finish. Gold clip. Spur safety lock. Weight 2½ oz.

No. 934 Hercules Senior..... **$5.00**
Cartridges, each ..... **.60**

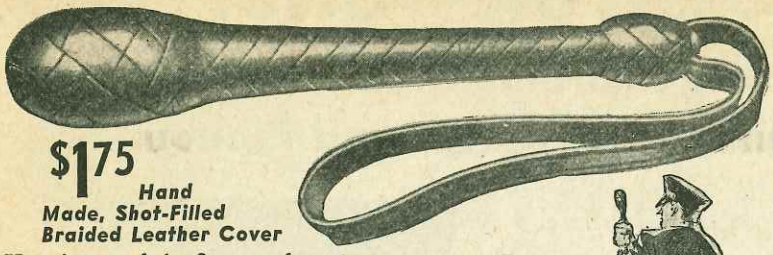
The .38 Caliber Junior

Fires the regulation .38 S&W special cartridge. Overall length 4⅞ in. Black enamel finish. Spur safety lock. Gold clip. Weight 2 oz.

No. 932 Hercules Junior..... **$4.00**
Cartridges, each ..... **.30**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

DETROIT STANDARD POLICE BILLY



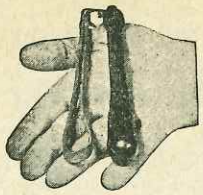
$1.75 ***Hand Made, Shot-Filled Braided Leather Cover***

Here is one of the finest and most reliable billies made. Adopted as standard by the huge, uniformed forces of the Detroit Police Department, one of the finest in the country. Will deliver a knockout blow without serious injury to the skull or skin.

Every police officer should have a good billy. It is important to the maintenance of his job. Often just the sight of it will subdue the toughest of rowdys. Send us your order for a Detroit Standard. Shipment immediately out of stock. Weight 9 oz. Length 8".

No. K133 Police Billy **$1.75**

NEW VEST POCKET SPECIAL POLICE BILLY



A new billy small enough to carry in the vest pocket but capable of delivering a quick, stunning knockout blow. Very light in weight and easy to carry. The best weapon we can think of for special agents, railroad men, detectives, etc. So light a child could wield it, yet the wrist strap insures a good grip because of its swiveled feature. Individually hand made and braided. Leather covered. Every officer should carry one of these as a spare or when not on regular duty. Very inexpensive at our special low price.

No. K114 Vest pocket Billy..... **$1.35**

MAKE YOUR OWN SIGNS—SIMPLE AND ECONOMICAL

Reese's ADJUSTABLE Stencils

For making Municipal, Park and Highway signs. Also for marking curbings under hydrants, pavements, sidewalks, etc.

The outstanding feature of Reese's Adjustable Stencils is the ease with which they interlock. Any wording can be made and after using, the characters can be put back and used over and over again. Any man can be a sign painter with these Adjustable Stencils because they are easy and quick to use. Far superior to hand lettering.

Produces uniform and neat work. For outdoor marking or signs, ordinary paint can be used with these stencils.

Each set contains 2 of each letter of the alphabet, 2 of each figure, 1 Beginner, 1 Letter Ender, 1 Figure Ender, 1 Space, 2 Periods, 1 Comma, 1 Apostrophe.

No. K191 Size 2 Inches, 49 Letters, 20 Figures..... **$6.50**

No. K192 Size 3 Inches, 49 Letters, 20 Figures..... **$15.00**

No. K193 Size 4 Inches, 49 Letters, 20 Figures..... **$20.00**

No. K194 Size 6 Inches, 49 Letters, 20 Figures..... **$33.00**

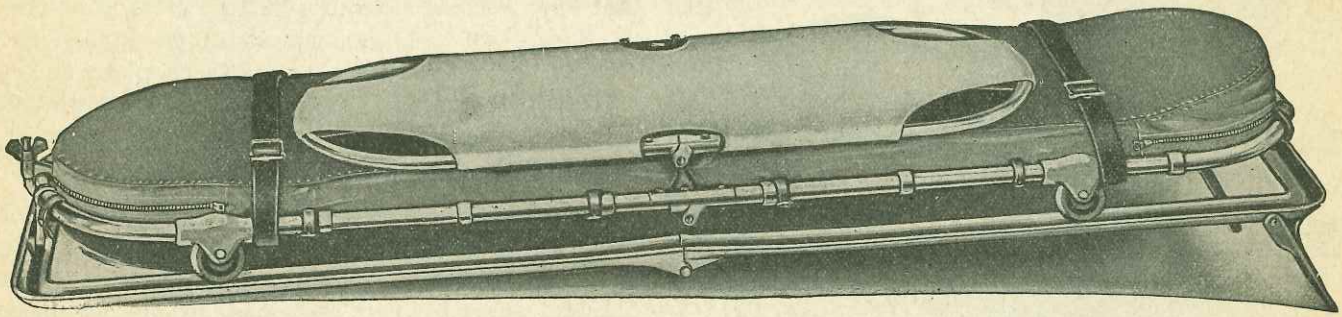
WATERPROOF OILSKIN COAT

A fine, durable, oilskin coat, doubly reinforced and double stitched throughout. Cut three-quarter length and made with two outside flap pockets. Corduroy lined collar, solid brass buckle fasteners, special storm fly front, inner sleeve windcuffs. Cut roomy and full to allow full use of the legs.

Coats priced especially low to make them available to everyone. Made in black only. Specify small, medium or large size when ordering.

No. 255 Oilskin Coat..... **$3.95**

THE GENERAL WAY—



An auxiliary Lifting Stretcher adaptable to all types of ambulances. A necessary accessory for all makes of ambulances and safety protection. Stretcher can be used in any make or type of car.

The most modern, perfect and convenient way of handling patients in any emergency.

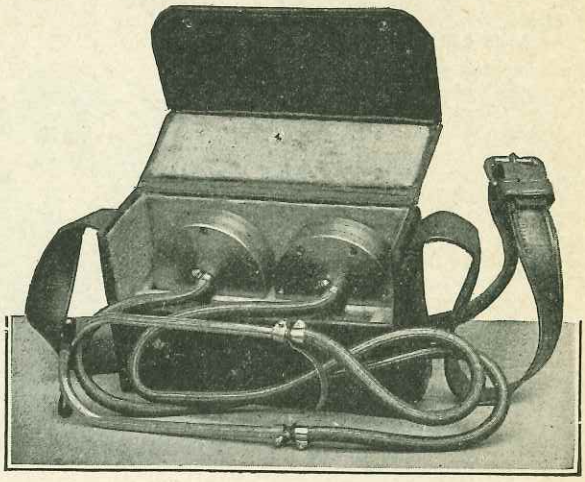
No. 650 Complete..... **$173.50**

AUXILIARY AND EMERGENCY STRETCHER FIRST AID EQUIPMENT

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

GEOPHONE LEAK LOCATOR—ONLY $75

The Most Sensitive and Dependable Instrument So Far Developed for Accurately Locating Leaks in Underground Piping

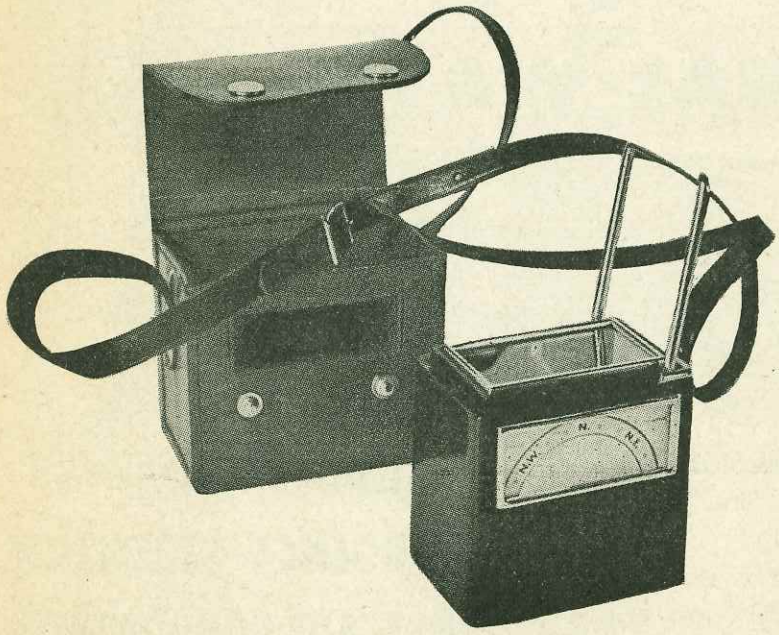


There's no need to tell you how costly it is to have your men spend hours and days trying to find a missing valve-box or shut-off . . . not to mention the expense of digging up concrete walks and streets only to find they've guessed wrong on the location. Now all this wasteful hunting and guessing can be eliminated—now you can determine with *absolute certainty* the *exact* position of any "lost" valve-box in a fraction of time, simply by using the new GEOPHONE.

The GEOPHONE is extremely sensitive, not only to vibration, but to variations in the vibrations, so it is very easy to detect the nature of sound, whether it is pick, hammer, explosion, fire, running water, or whatever the cause of the earth waves may be.

The time required to locate a water leak within 50 or 75 feet of it is seldom over fifteen minutes and usually much less. It is often possible, after one is thoroughly familiar with the GEOPHONE, to determine the size of the leak over a wide range.

No. K421 GEOPHONE COMPLETE IN LEATHER CASE WITH SHOULDER STRAPS **$75.00**



For Maximum Efficiency and Comfort, the AQUA Can't Be Surpassed

Every waterworks and every utility company has shut-offs that have become covered with soil, grass, concrete walks or fill-ins. Of course, their locations appear on your records, but often records are misplaced, plates and surface conditions change and your maintenance crew wastes hours trying to locate a box that is literally "right under their noses" all the time.

For years there have been many types of magnetic dipping needles available for use in finding service boxes and shut-offs. With few exceptions they served satisfactorily, but little effort has ever been made to improve them. Now we have perfected a new type dipping needle that obsoletes all previously made instruments . . . a valve-box locator that makes child's play out of your maintenance job.

No. K359 AQUA Magnetic Valve-Box Locator complete with leather case and shoulder strap.....**$25.00**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

THIS RED BEAM FLASHING ON AND OFF, WITH STARTLING BRILLIANCY, OFFERS SURE WARNING THAT EMERGENCY VEHICLE IS COMING

Now available with either RED or BLUE LENS

MODEL AR WARNING LIGHT

is a real full-sized lamp, developed by engineers for use on **emergency** vehicles.

Shell dimensions 5″ x 6″—full chromium finish on polished brass. Equipped with Tung-Sol flasher unit in wiring, to give timed flashes; switch with concealed fuse; special reflector develops maximum candlepower.

No. 483 with Red Lens, 6-8 V Type **$6.25**

No. 484 with Blue Lens, 6-8 V Type **6.75**

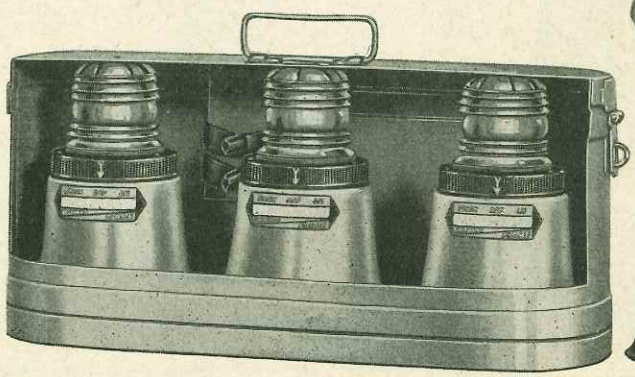
12 Volt Type, 40 cents extra

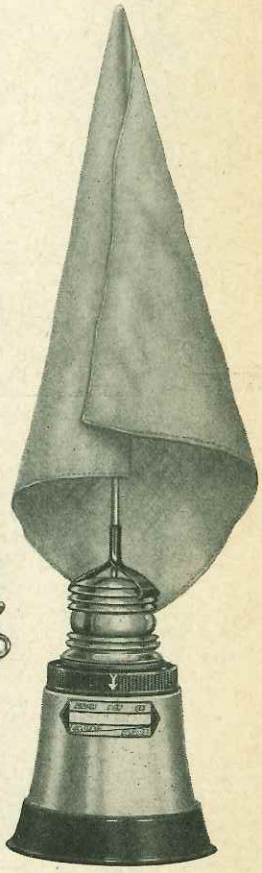
GENERAL'S NEW ELECTRIC FLARE

GENERAL'S NEW ELECTRIC FLARE combines every desirable feature to be found in an emergency lighting signal. It is recommended for users who prefer the best possible electric flare, and for forestry, highway and municipal departments.

GENERAL FLARES use a standard No. 409 lantern type battery and burn for as long as sixty hours, visible for one-half mile. They are vibration, dust and moisture proof . . . sturdily built, finished in red and black and have an overall height of 7¼ inches.

FLARES are regularly furnished in sets of three, packed in metal carrying case, less batteries.





No. 487—three flares and container **$10.70**

No. 488—single flare **2.60**

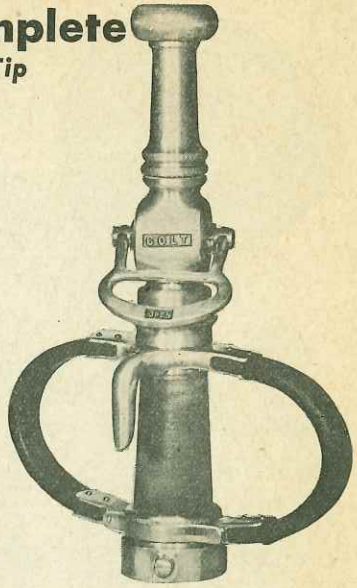
No. 489—12 x 12 flag with metal shaft, each ..... **.25**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

LITTLE GIANT PLAYPIPE WITH COLT NOZZLE

A $50 Value for Only $29.70 Complete

Shut-Off Nozzle – Stream Shaper – Ladder Hook – Swivel Handles – Rubber Bumper Tip



Without doubt this is the finest combination nozzle and playpipe ever offered fire departments. It is finely constructed of red brass, precision-machined inside and out. Extra heavy leather swivel handles are reinforced with steel. Walls are thick and highly polished—almost impossible to dent. A heavy resilient rubber bumper protects the mirror-smooth inner surface from damage. This nozzle will deliver a solid, long distance stream through many years of service.

The Longer You Use It the Better It Gets

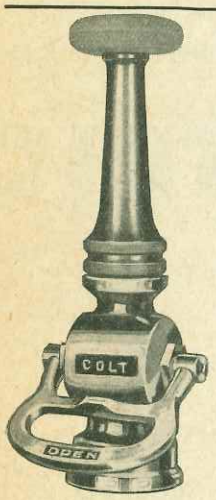
The nozzle shut-off is a ground valve—IT CAN NEVER WEAR OUT. It is guaranteed against leakage—requires no grinding. Continuous use actually MAKES IT SEAT BETTER because a special floating plate forms a complete shut-off EVEN WHEN THE PLUG IS WORN. When the Colt shut-off is closed, the floating plate, built flush with the plug surface, is held tightly against the nozzle body by the water pressure. This guaranteed leak-proof construction will function perfectly forever—THERE IS NOTHING TO GET OUT OF ORDER –NO POSSIBILITY OF LEAKAGE OR FREEZING.

General's experienced staff of experts recommends this nozzle for design and efficiency.

Furnished complete as shown with rubber bumper tip, stream shaper, genuine Colt shut-off, ladder hook and leather swivel handles. Specify size of discharge, 1/2", 3/4", 7/8", 1", 1 1/8", 1 1/4", etc.

No. 244 Little Giant Playpipe with Colt Nozzle, Polished Brass..... **$29.70**

BE SURE TO SPECIFY THREAD OR SEND SAMPLE



COLT LEADER LINE NOZZLE with Special Quick-Action Shut-Off for Booster Tank Hose

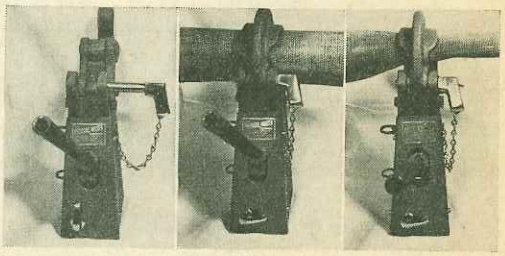
This nozzle has the same precision construction as the larger Colt shown above, except for 1 1/2" leader line hose. No adjustments or repairs are ever necessary.

It excels in style, quality and workmanship nozzles selling at a much higher price. Features include: Perfect operation in any weather . . . Unbreakable bronze handle . . . Nozzle open lies back against base . . . Nozzle can be used to break windows . . . Can be dragged over ground without disturbing shut-off . . . Easy to operate . . . Dimensions—overall length, 9 1/2"; tip length, 4" to 5"; weight about 4 lbs. . . . Threaded for 1 1/2" connections, any thread you desire –SPECIFY THREAD OR SEND SAMPLE . . . Standard discharge is 1/2", but we can supply any size you specify—1/4", 3/8", 5/8", etc. . . . Complete with rubber bumper tip, as shown.

No. 176 Cold Leader Line Nozzle, polished brass..... **$12.35**

THE PRESSURE MASTER

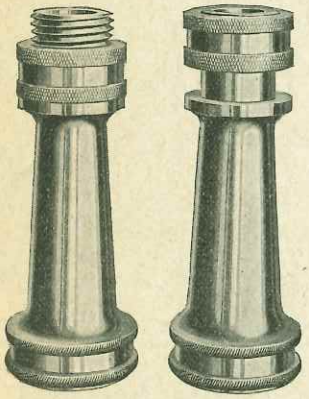
The Modern Method of Relieving Pressure at Any Point On a Line of Fire Hose



Here is the biggest advance in "on-line" pressure control in 30 years—and it's priced within the reach of every fire department. The new hydraulic power Pressure Master is so easy to operate that a seven-year-old child can close off a line of 100 pounds pressure in 10 seconds. It brings the hydrant right to the fire. Indispensable in replacing or repairing burst hose, lengthening or shortening lines, changing nozzles or pipes, placing Y lines in operation under pressure, reducing 2 1/2" lines to 1 1/2" and booster lines, relieving pressure on a line to take it up a ladder and hooking lines under pressure into water towers. Illustration shows three easy steps: left, open yoke; center, insert hose and, right, work handle to compress hose. Will not break rubber or fabric—strongly built for years of carefree use. Baked red crinkle finish.

No. F149 Pressure Master..... **$37.50**

Running Board Mounting complete with bolts..... **$7.00**



LEADER LINE TIPS

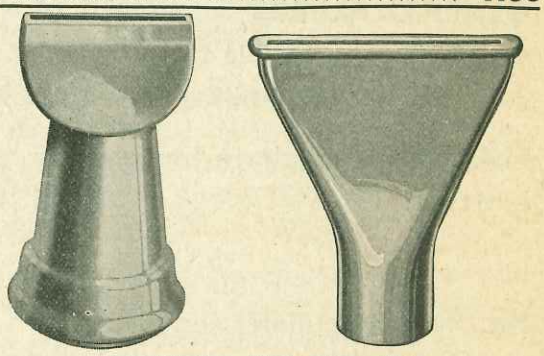
For any 2 1/2" playpipe shutoff nozzle. Chemical thread or 1 1/2" NST or IPT thread on tip end . . . Protective ring can be screwed up tightly when tip is used for regular work . . . Be sure to specify thread for BOTH ends—also specify size of discharge you want.

No. 180 Threaded tip, polished brass..... **$4.70**

COLT BOOSTER OR CHEMICAL NOZZLE

Same fine construction as the larger Colt nozzles shown on this page, but threaded 3/4" or 1" for chemical or booster hose . . . Quick action shut-off . . . Solid bronze, carefully turned, machined and polished . . . Furnished with rubber bumper tip . . . Guaranteed to give outstanding service . . . 8 3/4" long . . . Discharge opening 1/4", 5/16" or 3/8"—specify which.

No. 259 Colt Booster Nozzle, polished brass..... **$10.50**



SPREADER NOZZLE TIPS

Try their effectiveness on shingle or oil fires . . . Both these tips throw wide flat streams and can be used for widely varied uses . . . Effective, also, in wetting down dusty roads, in street cleaning and similar work . . . No. 284, at left, has Underwriters tip thread for attaching to Underwriters playpipe when working with 2 1/2" hose lines . . . If working with 1 1/2" lines, order No. 283, at right, which has 1" iron pipe thread and can be attached to Colt leader line nozzle . . . If you have a 1" booster hose, you can attach No. 283 direct.

No. 283 Spreader Nozzle Tip..... **$5.25**

No. 284 Spreader Nozzle Tip..... **$4.95**

Add 15% to prices shown for chrome or nickel plating.

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

GENUINE UNDERWRITER FIRE AXE

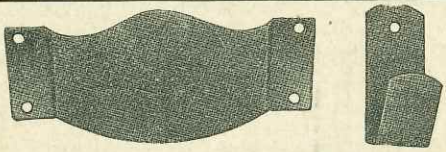
Standard with All Municipal Fire Departments

AN EXCEPTIONAL VALUE
ONLY $3.25

You can't buy a better axe no matter what you pay . . . Well constructed, with polished bit and point and natural finish top quality hard wood, this genuine Underwriter fire axe will give long years of service . . . Every fire department should have several on hand.

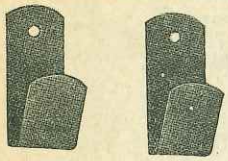
No. 170 Fire Axe..... **$3.25**

AXE BRACKETS



No. 517 Japanned, complete set, each set.....$ .50
No. 520 Japanned, hooks only, per doz..... 1.50

FIRE POLE BRACKETS



No. 515

$3.00 per doz. Sets

FINEST TOOL STEEL FIRE DEPT. CROWBAR

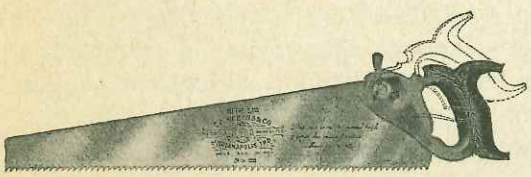
Forged from fine grain, open hearth carbon steel . . . This is the same sturdy, superior quality bar furnished with our famous General Fire Trucks . . . A handy tool and a real bargain . . . Painted black.
No. 346 Fire Department Crowbar..... **$1.79**

FIREMAN'S WRECKING BAR . . . This bar has a sturdy claw and will stand years of hard use . . . Handiest tool you can get for prying off hinges, jimmying windows, breaking open chests and doors and similar work . . . You can't find anything like it at anywhere near this low price . . . 24″ long, ¾″ thick.
No. 200 Fireman's Wrecking Bar, each..... **95c**

COMBINATION WINDOW AND WRECKING BAR . . . Heel of head is provided with ridges to prevent slipping . . . Other end provided with claw for nail pulling and prying . . . Handle is on angle to allow hand room when bar is flat against door or building . . . Will open any door . . . Made of special strong steel alloy.
No. 120 Wrecking Bar..... **$5.95**

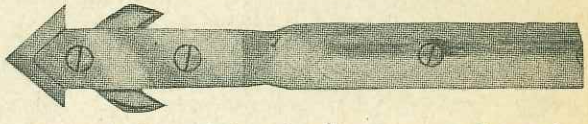
FIRE DEPARTMENT WALL PICK . . . Will pay for itself the first time you use it . . . Weighs 6 pounds—15″ head . . . Price includes hardwood handle.
No. 856 Fireman's Wall Pick..... **$2.50**

HAND SAW . . . Will cut through flooring or side walls without boring a hole . . . Curved edge does all the work . . . Adjustable handle—18″ blade.
No. 423 Fireman's Hand Saw **$3.95**



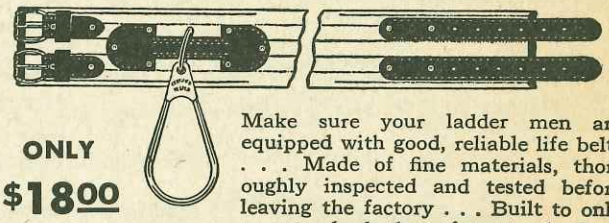
METAL CUTTING HAND SAW . . . Will cut through ordinary metals easily and quickly . . . Made of genuine silver steel . . . Very handy for firemen . . . Adjustable handle — 18″ blade.
No. 424 Metal Cutting Hand Saw... **$3.45**

FIREMEN'S PLASTER FORK



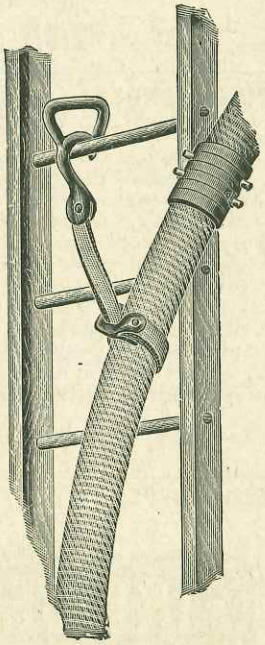
This patented plaster fork and ceiling remover of drop forged steel is useful in tearing down ceilings and walls . . . Just jam the spear through, pull, and everything comes down . . . Fork is shown closed—after penetrating plaster, fork opens and anchors firmly . . . Be sure to have one.
No. 149 Plaster Fork..... **$19.95**

FIREMEN'S LIFE BELT



ONLY $18.00

Make sure your ladder men are equipped with good, reliable life belts . . . Made of fine materials, thoroughly inspected and tested before leaving the factory . . . Built to only one standard—the safety standard.
No. 452 Life Belt..... **$18.00**



HOSE AND LADDER STRAP . . . Made of flexible woven cotton with malleable iron fittings heavily galvanized . . . Light and strong . . . Easily carried and quickly attached to hose.
No. 151 Hose and Ladder Strap.... **$1.10**

MICROLITE:

Something New in Portable Light Convenience!

No fire chief, guard, watchman, inspector, engineer, or safety director should be without MICROLITE.

CLIPS RIGHT IN YOUR POCKET. Always at your fingertips, ready for action.

FIXED FOCUS bulb throws amazingly long, concentrated beam.

SLENDER SIZE permits you to get into and close to small corners and parts of machines.

TOUGH, ALL-PLASTIC case. Bright red plastic push button. To refill: Unscrew front tip.

Besides serving you for industrial use, MICRO-LITE SENIOR has been drafted by Army engineers and other branches of the service.

IF A FLASH LIGHT IS NEEDED, MICRO-LITE SENIOR HELPS DO THE JOB FASTER. CARRY ONE IN YOUR POCKET AT ALL TIMES.

No. 300 Each..... **53c**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

AMERICA'S MOST COMPLETE LINE OF FIRE DEPARTMENT TOOLS

ADJUSTABLE HYDRANT WRENCH AND HOSE SPANNER

Constructed of finest, high-grade, drop-forged carbon steel . . . Won't break—will last forever . . . Opening in head may be regulated to any size desired . . . Fits any pentagon nut up to 1¾" across face, making it unnecessary to carry a number of form wrenches . . . Popular with fire departments everywhere because it saves precious minutes . . . Can also be used to couple up hose.

No. 134 Drop-Forged Adjustable Hydrant Wrench and Spanner..... **$1.98**

UNIVERSAL SPANNER—A, Belt hook eyelet, B, hammer head. C, spanner center lug claw. D, uncoupling center lug claw. E, pry heel. F, gas cock slot. G, window jimmy-nail puller.

No. 125 Universal Spanner..... **49c**

HYDRANT WRENCH AND SPANNER, fits four different sizes of nuts . . . Solid cast bronze.

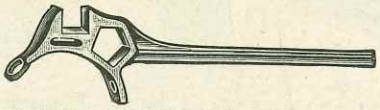
No. 115 Hydrant Wrench and Spanner..... **$1.85**

Handy **SPANNER WRENCH,** popular for general use . . . Will take up to 3" hose . . . Galvanized.

No. 116 Handy Spanner..... **75c**

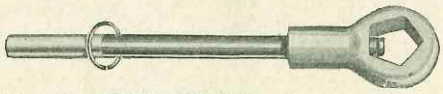
Universal **SPANNER AND HYDRANT WRENCH,** designed to meet demand for heavy, long, rigid one-piece tool . . . Fits any standard nut specified, square or pentagon—specify which.

No. 119 Universal Spanner, bronze..... **$2.95**



COMBINATION SPANNER AND WRENCH for 2¼" couplings . . . Specify 1⅛", 1¼" or 1½" pentagonal opening.

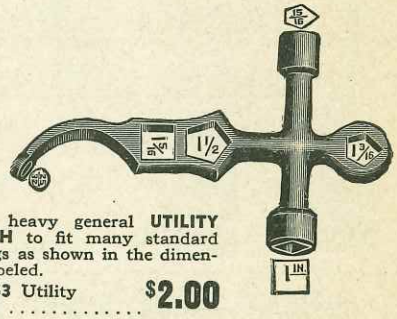
No. F152 Combination Spanner **80c**



Adjustable **HYDRANT WRENCH** will grip any hydrant nut with a turn of the handle, no matter how badly nut is battered or rounded.

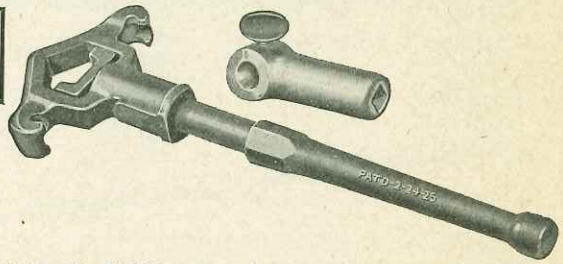
No. F123 Adjustable Hydrant Wrench.... **$1.70**

No Order Accepted For Less Than $2.50



Strong, heavy general **UTILITY WRENCH** to fit many standard fire plugs as shown in the dimensions labeled.

No. F153 Utility Wrench **$2.00**



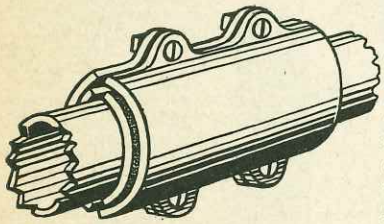
Adjustable **HYDRANT AND UNIVERSAL SPANNER,** won't injure hydrant nuts . . . Fits any size hydrant cap . . . Wrench attachment used on high pressure hydrants where socket wrenches are necessary, is removable . . . With or without socket attachment.

No. F124 Adjustable Spanner, without socket..... **$3.75**

No. F125 Same, with socket..... **$5.00**

PERMANENT PIPE MENDERS

For Iron, Steel, Lead, Brass Pipe All Sizes, ½ to 1 inch



Just slip over the pipe at the leak and tighten the screws with an ordinary screw driver. A *permanent* repair and you can forget about the damaged pipe. These pipe menders come with both rubber and asbestos packing. You can use either. Both make equally tight joints. Galvanized finish. Be prepared for leaks. With these menders you can make permanent repairs in a few minutes time—at a few cents cost—without even shutting off the water.

No. K237 Permanent Pipe Menders, fit all sizes ½ to 1" Pipe, per dozen **$2.95**

FIRE DEPT. INSIGNIA PLATE

Here is a beautiful FIRE DEPT. sign for your private car. These signs are made of a special aluminum alloy, cast in a permanent mold, with raised letters and border highly polished. The letters and border are natural aluminum color and the background of the plate is a brilliant Fire Department Red.

Identify yourself and avoid delays with a FIRE DEPT. sign on your car. Help everyone to recognize you are a Fireman when minutes are important. Regular $2.00 value.

No. K199 Fire Dept. Plate..... **98c**

TIN ROOF CUTTER . . . A handy tool provided with a 30" spade handle . . . Useful in ripping roofs of tin or heavy paper . . . A "must" for every hook and ladder truck.

No. 192 Tin Roof Cutter..... **$13.00**

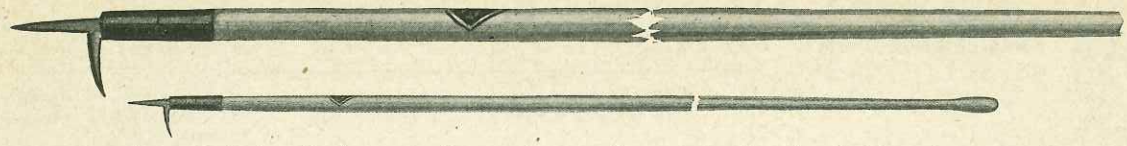
HOSE SHUTOFF AND DOOR OPENER . . . Can be used to shut off nozzles, lengthen a line of hose, take out broken lengths or put in a siamese, without wasting valuable time running back to shut off the pumper or hydrant . . . Also handy for forcing doors and many other uses.

No. 191 Hose Shutoff and Door Opener..... **$41.00**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

FINEST QUALITY FIRE DEPARTMENT WHITE ASH POLES

One of Our Best Sellers



PRICED FROM ONLY $3.35

General Pike Poles are made exclusively of air-seasoned second-growth Northern Ohio White Ash, thoroughly straight-grained and free from defects of any kind . . . Northern Ohio White Ash grain does not break squarely, but must be torn before it will part . . . Poles measure 1⅝" in diameter at thickest point and taper to a knob on handle end . . . Light in weight, stiff and strong, nicely shaped and sanded . . . Pikes are hammer forged into the handle after the seamless pressed steel ferrules are driven out . . . The finest pike poles you can buy for fire department service . . . Specify size when ordering.

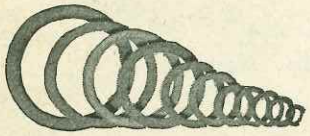
No. 303 White Ash Pike Poles

6 Ft. Long	$3.35	12 Ft. Long	$4.75
8 Ft. Long	$3.50	14 Ft. Long	$5.20
10 Ft. Long	$3.90	16 Ft. Long	$5.70

Prices on larger sizes sent on request.

REPLACE YOUR OLD FIRE HOSE GASKETS

Keep a Supply on Hand

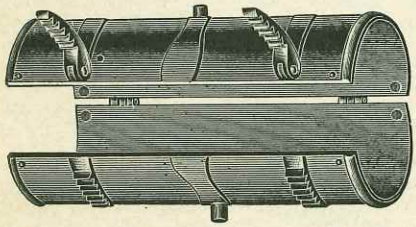


General Gaskets are cut to your order and shipped the same day order is received . . . Only pure gum, fresh sheet stock is used . . . Good gaskets insure air-tight connections . . . Check your equipment today for your gasket needs . . . If you require special gaskets, send us a sample or give us outside diameter, inside diameter and thickness.

No. 141 ¾" Chemical Hose Gaskets, per doz.	$.50
No. 142 1" Chemical Hose Gaskets, per doz.	.60
No. 143 1½" Fire Hose Gaskets, per doz.	.70
No. 144 2" Fire Hose Gaskets, per doz.	.75
No. 145 2½" Fire Hose Gaskets, per doz.	.80
No. 146 3" Suction Hose Gaskets, per doz.	1.05
No. 147 3½" Suction Hose Gaskets, per doz.	1.50
No. 148 4" Suction Hose Gaskets, per doz.	1.75

Prices on larger sizes sent on request.

Malleable Iron Hose Leak Stop



Here is a simple hose leak stop, lined with rubber, that can be applied instantly . . . A positive means of stopping leaks or breaks in hose . . . Every fire department should be prepared for emergency breaks by having one or more of these stops instantly available.

No. 122 Hose Leak Stop $5.85

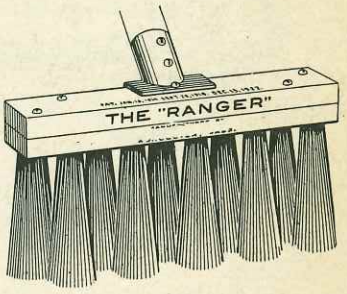
FIRE FIGHTING BROOMS ARE ESSENTIAL

FIRE FIGHTER BROOM, shown at left, is made of unpeeled, whole, round rattan, imported from China. Used by firemen everywhere for beating out brush and grass fires . . . Is efficient for beating out composition roof fires where refuse has accumulated . . . Body of broom is 24" long . . . Handle is selected edge grain stock 1" in diameter and 36" long, and securely fastened to the broom . . . Will last indefinitely.

No. 171 Fire Fighter Broom $1.90

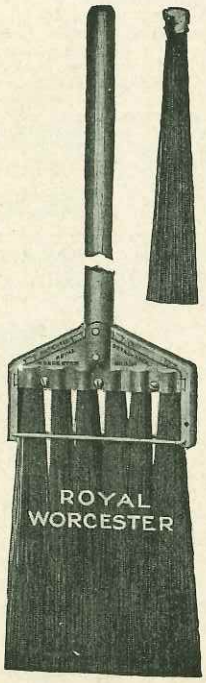
In half dozen lots, each $1.50

STEEL PUSH BROOM . . . Special construction enables the fireman to work on the fire without standing over it . . . Heat does not affect the specially treated steel wires . . . Fillers can be easily replaced . . . Standard equipment with forestry departments.



No. 71 Ranger Steel Push Broom $2.60

On half dozen lots, only, each 2.45



FIRE BROOM . . . A specially constructed steel broom for firemen . . . Indispensable for fighting grass and rubbish fires . . . Completely fireproof . . . All steel filler can be easily replaced . . . Handle is held in a patented iron holder which can also be removed for replacement . . . Sturdily constructed to stand many years of hard service.

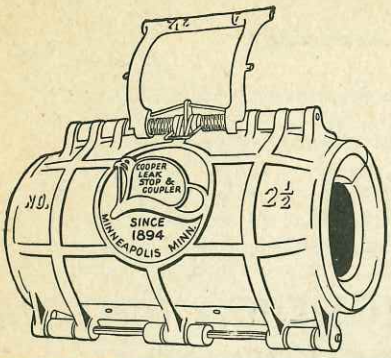
No. 70 Royal Worcester Fire Broom . . . $2.60

In half dozen lots, each 2.45

Refills, per dozen 3.00

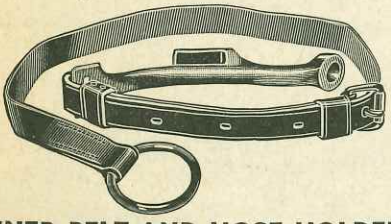
SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

A WIDE SELECTION OF EQUIPMENT
EVERY FIRE DEPARTMENT NEEDS
SAVE MONEY AT GENERAL'S FAMOUS LOWER PRICES



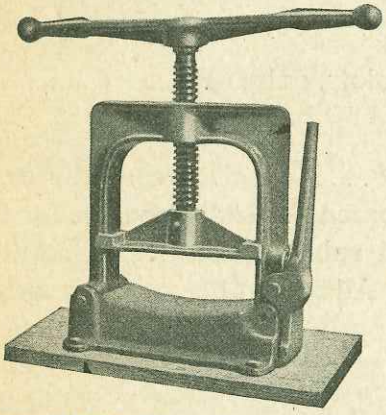
IMPROVED COOPER HOSE JACKET . . . A combination universal coupler and hose leak stop . . . New triple locking device insures perfect safety under highest tests of all standard pumpers . . . Serves as universal coupler in connecting two sections of hose with couplings of different threads—valuable when companies of two or more towns respond to a fire . . . You can save time and money with this valuable accessory.

No. 273 Cooper Hose Jacket for 2½" Hose **$55.00**
No. 274 Replacement Rubber Liner **12.50**



SPANNER BELT AND HOSE HOLDER . . . Handles are well constructed of galvanized malleable iron . . . Straps are of genuine, heavy, close-grained leather . . . Will stand severe strain.

No. 117 Spanner Belt and Hose Holder **$3.85**



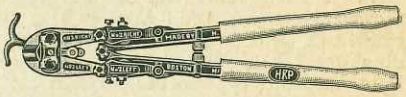
HEBERT HOSE CLAMP . . . Brings the hydrant to the fire . . . Time and labor saver for removing burst hose, changing nozzles, lengthening lines, etc. . . . Releases hydrant man, eliminates chasing . . . Won't damage hose.

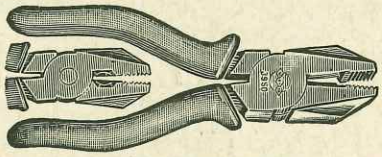
No. K210 Hebert Hose Clamp . . . **$17.50**

UNUSUAL VALUE IN WIRE CUTTERS

ELECTRIC WIRE CUTTERS . . . Designed specially for firemen . . . Groping hook guides wire into jaws . . . Head has wide opening for heavily insulated wires . . . Slip-on insulation will withstand 20,000 volts.

No. 447 Electric Wire Cutters..... **$16.75**



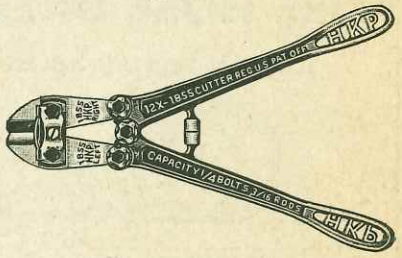


FIREMEN'S CLIPPERS . . . An inexpensive handy tool . . . Cuts wires or bolts up to ¼" in diameter . . . Useful when heavier cutters prove cumbersome . . . Same powerful toggle as larger cutter above . . . Quality built in every respect . . . An unusual value.

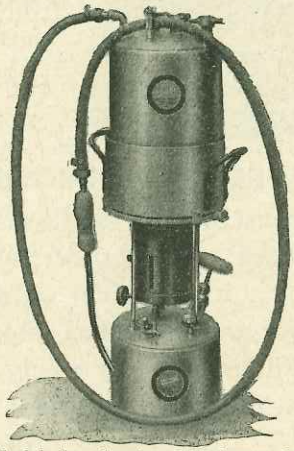
No. 448 Firemen's Clippers **$3.00**

ELECTRIC WIRE CUTTERS . . . Heavy side cutting pliers made with insulated handles for high voltage . . . Two layers of pure rubber are vulcanized to the handles, to withstand dropping without fracturing insulation . . . Hump prevents current jumping across to the hand.

No. 292 Electric Wire Cutters..... **$4.50**



STEAM THAWER

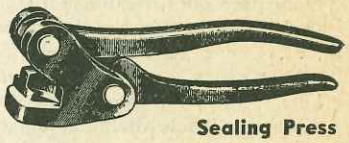


Useful for thawing out frozen fire hydrants, gas meters, water and gas pipes, etc. . . . Fine for removing grease, paint, oil and similar substances . . . Raises steam in five minutes . . . Consists of 4-gallon welded steel generator, gauge, safety valve, filling cap, carrying handle, 10 feet of hose and nozzle. A real value at this unusually low price.

No. 233 Steam Thawing Outfit **$48.50**

IT PAYS TO SEAL METERS

Water, Gas and Electric meters are easily sealed and safeguarded against manipulation and tampering. Thousands of Superintendents now take this precaution, at least with some meters. The expense is practically nothing—only a cent or so—and there is everything to gain and nothing to lose by doing it.



Sealing Press

Our special Seal Press tool is only 6½ in. long, pocket size, yet the especially designed compound lever makes it the most practical tool of its kind and the price is low.

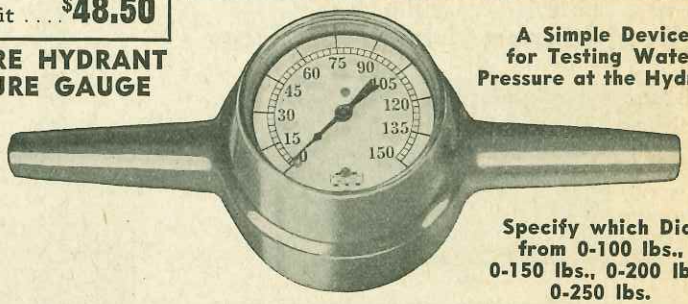
We will engrave the press to your order with letters which will show on the lead disc, such as "Water Dept." or "Gas Co." or "P. G. & W.," etc. No extra charge for your engraving.

Wire furnished is flexible stranded copper, tinned and will not corrode. Comes in 100-foot coils. The meter to be protected is wired, the lead disc, which has two holes through it, is slipped on the wire and squeezed with the Seal Press. Done in a jiffy.

No. K325 Seal Press, engraved, compound lever. Each **$6.20**

No. K325 Fire Extinguisher Seals, including wire and lead **$1.00**

NEW FIRE HYDRANT PRESSURE GAUGE



A Simple Device for Testing Water Pressure at the Hydrant

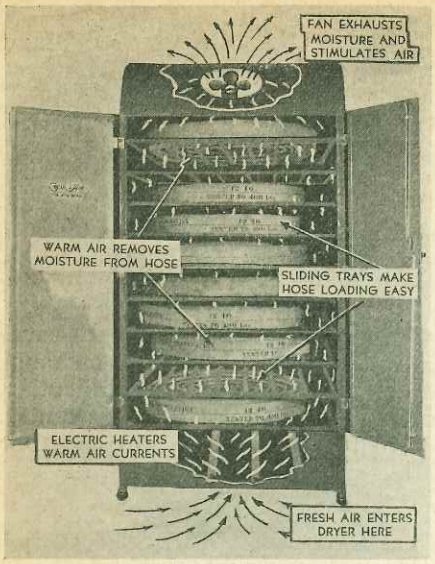
Specify which Dial from 0-100 lbs., 0-150 lbs., 0-200 lbs., 0-250 lbs.

Designed especially for Water Department and Fire Department Inspectors. The gauge is built into a special, nickel plated cast brass hydrant cap. The non-breakable crystal is flush with the face of the cap.

To operate, just remove the hydrant cap and screw on the gauge. The dial will instantly show the water pressure in pounds on the hydrant and main. Standard dial graduations are 0-100 lbs., 0-150 lbs., 0-200 lbs., and 0-300 lbs. Specify your choice when ordering. Also specify your 2½" thread so we can thread the gauge to fit.

No. 287 Fire Hydrant Pressure Gauge..... **$9.95**

SEE PAGE 42—GENERAL'S NEW *FRIGIDFOG* CO_2 FIRE EXTINGUISHER!


FAN EXHAUSTS MOISTURE AND STIMULATES AIR
WARM AIR REMOVES MOISTURE FROM HOSE
SLIDING TRAYS MAKE HOSE LOADING EASY
ELECTRIC HEATERS WARM AIR CURRENTS
FRESH AIR ENTERS DRYER HERE

CIRCUL-AIR FIRE HOSE DRYER

In these times when hose is difficult to obtain, every fire department finds it necessary to take utmost care of its hose and, in many cases, forced to get by on less hose than ordinary.

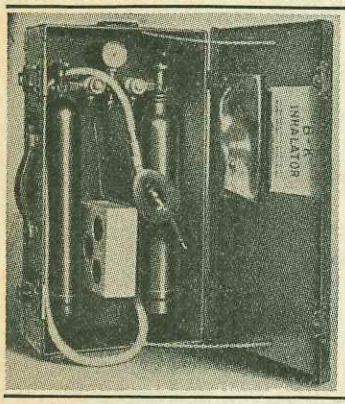
With a Circul-Air electro-mechanical hose dryer this is easy, because with the Circul-Air you can put hose back in service a few hours after it is used.

Air conditioning does the work—air at room temperature is inducted into the steel cabinet, passed over a series of electric strip heaters in the base then circulated by natural and forced convection through the loosely coiled hose carried on open trays. After removing moisture from hose jackets, the warm, moist air is then expelled from the dryer by a suction fan. The process is continuous, fresh air replacing the moist air until the jackets are thoroughly dry.

Each tray carries one 50 ft. length of hose (1½", 2½" or 3", double or single jacket). Electrically operated, the Circul-Air dries hose in a very few hours—25 to 50 times faster than a tower or a rack.

Can dry up to 2000 ft. of hose a day. A full cabinet of hose—500 ft. or 300 ft.—usually dries in from 4 to 6 hours, depending on age of hose and amount of moisture. Cost averages about 35c for 500 ft. Leaves some moisture in lining, which authorities feel helps preserve the rubber. Cannot damage rubber or any other part of hose.

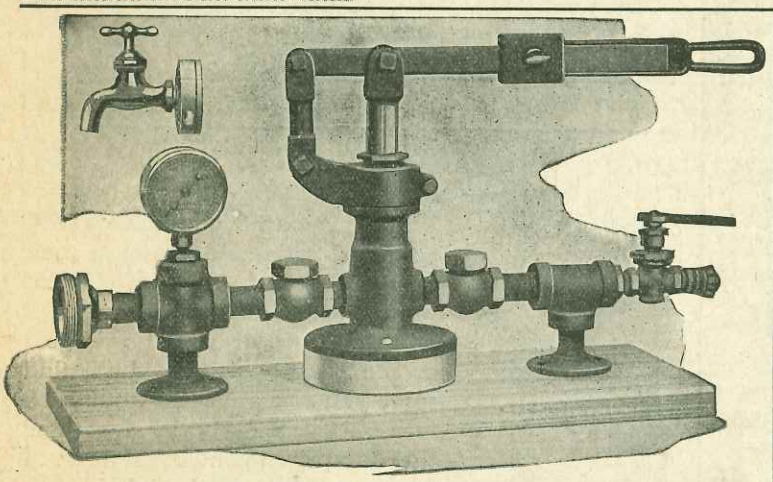
No.	Unit Capacity	Daily Capacity	Watts	Volts	Amps.	Temperatures Mean	Temperatures Max.	Price
F154	500 ft.	2,000 ft.	3,000	220	14	88°	95°	**$365.00**
F155	300 ft.	1,200 ft.	2,000	110	18	90°	95°	**$295.00**



B-K INHALATOR—ONE MAN FOOL-PROOF OPERATION

A nationally accepted treatment for victims of carbon monoxide poisoning, gas asphixia, electric shock, drowning and other cases of respiratory failure . . . The B-K Inhalator is simple, fool-proof and easy to operate—can be operated by one person automatically, without waste and at just the right pressure—even a nurse or child can easily operate it . . . To operate, simply open one of the cylinder valves, noting pressure gauge, which indicates the amount of charge in cylinder . . . Mixture of oxygen and carbon dioxide immediately passes through the automatic valve mechanism, then through the hose to the face piece . . . Fully endorsed by the Association of Police and Fire Surgeons . . . Nothing to get out of order.

No. K214 B-K Inhalator.....**$150.00**

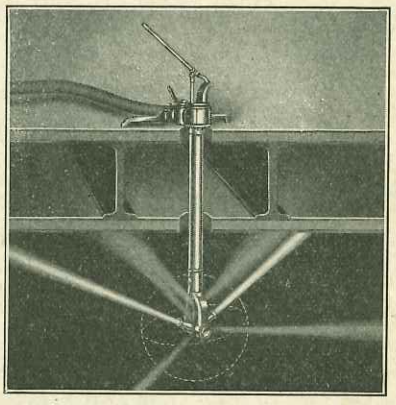


FIRE HOSE TEST PUMP

Enables you to subject your fire hose to regular hydraulic tests up to 500 pounds in just a few minutes . . . Hose to be tested is coupled to pump and other end closed with special cap which is attached to a faucet, as shown . . . Short length of garden hose connects pump to ordinary tap . . . Furnished complete with 15 feet of garden hose, complete with connections on both ends . . . Portable—weighs less than 100 pounds . . . Regularly furnished for 2½" hose, but other sizes available . . . Specify thread or send sample couplings.

No. 640 Fire Hose Test Pump.....**$85.00**

BAKER TWO-STREAM UNIVERSAL CELLAR PIPE No. 6-A



For Fighting Fires in Ships' Holds, under Docks, Floors, Roofs or any blind place where a Fireman cannot enter.

Baker two-stream Cellar pipe nozzles are built at 45 degree angles from each other upwards. By moving the operating lever up and down and all around, the right and left hand streams will play from two to sixty feet from each other and cover a surface of 120 feet in diameter under docks and floors and also the entire surface of side walls and the floor below. It will fight fires in blind places where no other fire fighting equipment can reach. Baker two-stream Cellar pipe takes the place of many of the old style cellar pipes—goose-necks, Breslin revolving, and one-stream cellar pipes. It works wonders in fighting fires aboard ships and in vessel holds. Every ship should be equipped with this Baker Cellar pipe.

No. 60. Baker Cellar Pipe.....**$175.00**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

PISTOL GRIP PORTABLE SEARCHLIGHT

Here is a new portable light which throws a brilliant, piercing quarter-mile beam at the touch of the trigger. Can be furnished with a special connection to operate from your squad car or private car battery. When used in this manner, the light is carried either in the dash compartment or on a hook beneath the cowl. Approximately 10 feet of cable is included, enabling you to carry the light all around the outside of your car.

We can also furnish this light with a portable dry cell battery and shoulder strap in addition to the car battery connection. With this combination you can remove the entire outfit from the car and carry it with you, drawing current from the portable battery. Red, blue or amber lenses $1.00 additional. Lettered lenses with any wording you specify, $2.00 additional.

No. 679 Pistol Grip Searchlight with Car Battery Connection **$12.75**

No. 680 Pistol Grip Searchlight with Car Battery Connection, Shoulder Strap and Portable Dry Cell Battery... **$14.00**

AUTOMATIC OILY WASTE CAN

Increases shop efficiency and reduces fire hazards . . . Opens with foot rest, closes automatically . . . Approved, inspected and labeled by Underwriters' Laboratories . . . Well built of heavy galvanized iron with simple self-closing tight hinged cover . . . No springs.

No. 72 Oily Waste Can

6 gallon	**$4.00**	8 gallon	**$4.50**
10 gallon	**5.00**	15 gallon	**6.00**
		25 gallon	**$7.75**

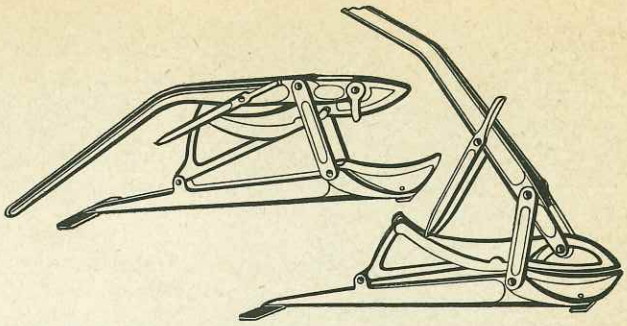
FIRE DEPARTMENT SAFETY CANS

Spout cap is controlled by a strong, non-rusting spring, to prevent leakage and evaporation . . . Valve permits excessive gas pressure to escape if can is subjected to extreme heat, and automatically closes when pressure is relieved . . . Approved, inspected and labeled by Underwriters' Laboratories.

No. 248 Safety Can with Trigger Handle

1 pint	**$2.00**	1 gal.	**$3.10**
1 qt.	**2.10**	2 gal.	**3.50**
2 qt.	**2.25**	3 gal.	**4.35**
		5 gal.	**$5.50**

Flame Arrester Screen (for 1-5 gallon sizes) **40c** extra

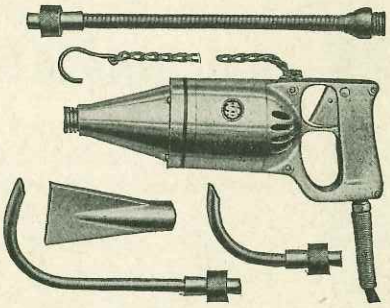


PEERLESS HOSE CLAMP . . . New, improved—saves time and eliminates errors . . . Makes it easy to change from hand stream to cellar pipe, lengthen lines, cut in, connect to standpipes, etc. . . . Cuts off water instantly, lets you make immediate changes . . . No lost time waiting for water after connection is made . . . A real necessity for every fire department.

No. 165 Peerless Hose Clamp **$38.50**

Running Board Holders

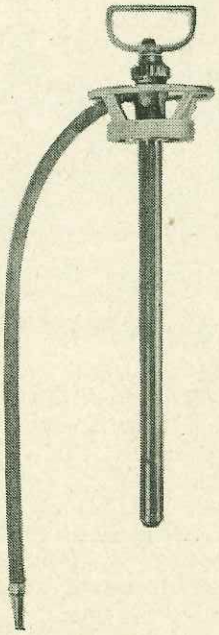
Vertical ..... **$2.50** Horizontal **$3.50**



PORTABLE ELECTRIC HEAT GUN . . . Portable outfit for thawing frozen hydrants and other appliances used in fire fighting and thawing water mains . . . Immediate heat to a maximum of 450 degrees . . . Element completely enclosed and protected from grease and dirt . . . Universal motor operates on AC or DC . . . 15 feet of rubber-covered cable, rubber attachment plug, wide nozzle, long gooseneck, short gooseneck, flexible hose and chain hook included.

No. 581 Fire Department Portable Electric Heat Gun **$37.95**

PUMP CONVERSION UNIT

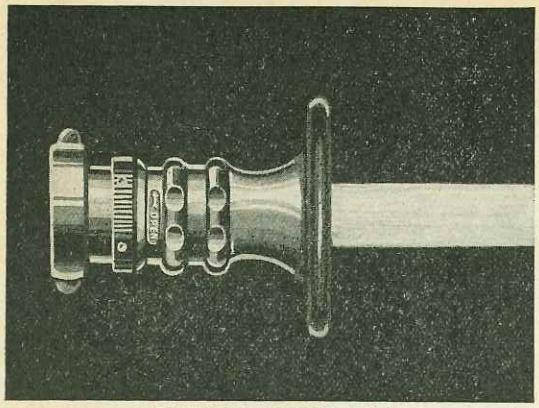


With this outfit you can convert your old soda-acid or foam tank into a modern, highly efficient pump type extinguisher . . . Check your old type, discarded soda-acid or foam extinguishers—you'll find some you can utilize and put back into service simply by installing this low-priced conversion unit . . . All we need to do the job for you is the top wheel cap from your old extinguisher . . . Just unscrew it and send it in—we'll fit the pump to it . . . You'll have a new extinguisher at about half the ordinary cost . . . Check your old extinguishers today.

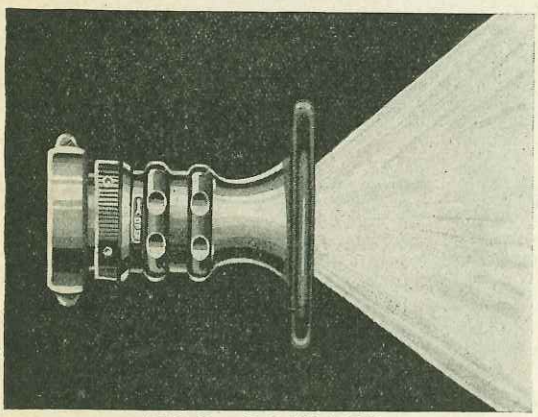
No. K215 Pump Conversion Unit **$9.85**

(Less Wheel Cap)

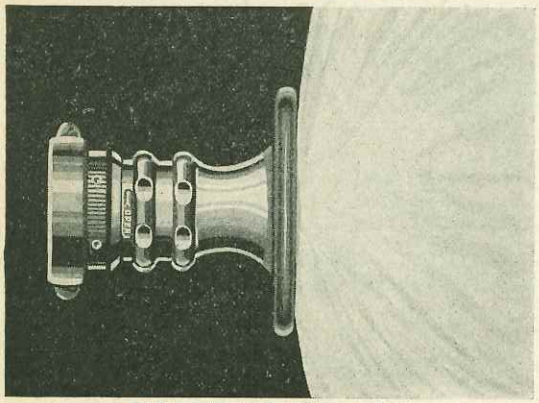
SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!



SOLID STREAM



FOG CONE 75°



WATER CURTAIN

THE NEW *Improved* MYSTERY NOZZLE

FOG—SOLID STREAM—SHUT-OFF—ALL IN ONE NOZZLE

STOPS OIL FIRES with FOG
STOPS ROOF FIRES with SOLID STREAM
STOPS INCIPIENT FIRES with NO WATER DAMAGE

NO MOVING PARTS—NO HOLES TO CLOG

When the Mystery Nozzle was introduced, many fire chiefs acquainted with its merits predicted widespread acceptance of the new nozzle. It is now in use in countless towns and cities in every state in the Union, used by both volunteer and municipal fire departments and by the private fire departments of many large industrial plants. The Mystery Nozzle is not merely a fog—or vapor—nozzle, to be used only on oil fires. It is an all-purpose nozzle that can be used to great advantage on all fires. A prominent fire engineer has suggested that the widespread use of the Mystery Nozzle on ordinary residential fires would save the country 60 per cent of its annual water damage loss.

Best of all, the nozzle is dependable. There are no small holes to clog—no moving parts to get out of order. In general use, the nozzle is guaranteed against failure. No matter how gritty the water, how high or how low the pressure, the construction of the nozzle precludes the possibility of failure.

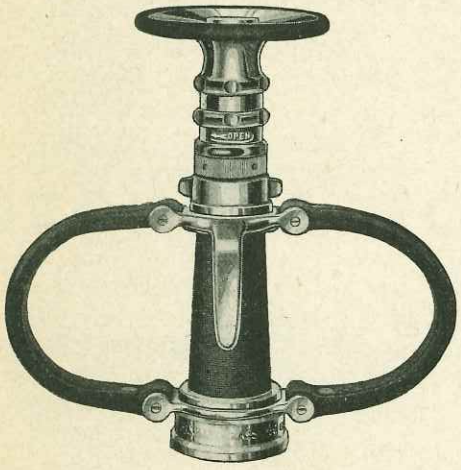
The improved Mystery Nozzle, although basically identical to the original nozzle, incorporates a number of improvements passed along by experts in the fire fighting industry. The continued interest of these men in the Mystery Nozzle has been responsible for the improvements.

Visibility and action are drastically impaired when a nozzle opens on complete water curtain. Severe water damage also results. Fire chiefs agree that a nozzle should operate from complete shut-off to solid stream to varying degrees of conical fog. At the same time they insist that instantaneous selection must be available to get from one stream selection to another without delay. The Mystery Nozzle meets both of these requirements, with all types of streams available at a simple twist of the wrist.

A stainless steel baffle valve effectively prevents erosion by sand and grit carried by hydrant water under high pressure.

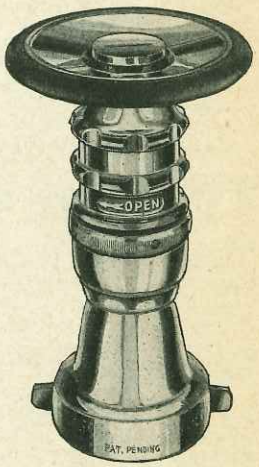
The words "open" and "close" are cast on the revolving discharge barrel so that the nozzle is operable at sight and eliminates confusion by an excited operator.

Every effort has been made to build into the improved Mystery Nozzle the suggestions offered by fire chiefs. In the improved Mystery Nozzle you get not the ideas of any one group or individual, but a perfected instrument, improved and developed by the fire chiefs of America.



No. F105
Regular No. F102 nozzle attached to standard play pipe. Steel cored rubber handles or reinforced leather handles optional—specify which.

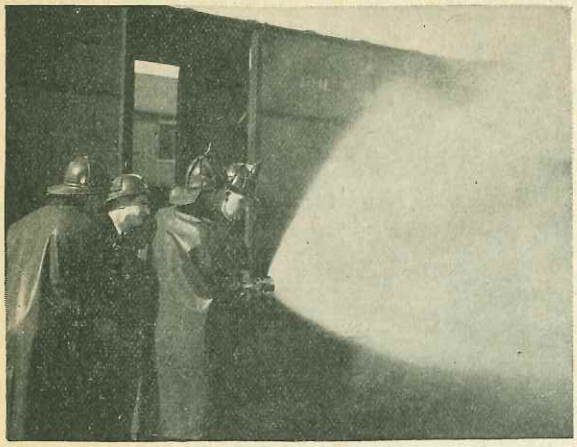
Specify Thread and Size	Polished Bronze
No. F100 (Attaches directly to ¾-1" Booster Hose Lines)	$30.00
No. F101 (Attaches directly to 1¼-1½" Hose)	33.00
No. F102 (For 2½" hose) (To be used with standard Play Pipe, Underwriter tip thread, 2 3/16" x 12, unless otherwise specified)	35.50
No. F103 (Attaches directly to 2½" hose)	43.00
No. F104 (1½" Mystery Nozzle mounted on standard Play Pipe equipped with reinforced leather or reinforced rubber floating handles —specify which)	46.00
No. F105 (2½" Mystery Nozzle mounted on standard Play Pipe equipped with reinforced leather or reinforced rubber floating handles —specify which)	50.00



NO. F103
Attaches directly to 2½" hose coupling.

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

FOG NOZZLES FOR BETTER FIRE CONTROL



A Good Investment for Every Fire Department

•

A Better Investment If You Buy at GENERAL'S LOW PRICES

POCKET SIZE FOG TIP

Easy to Carry • Easy to Assemble

This Fog Tip in 1½" or 2½" size can be carried in the pocket and used to convert any shut-off into an efficient fog nozzle in a few seconds. If you are using threaded type tips, the addition of the fog tip makes it an efficient fog nozzle also. This vapor tip is effective in extinguishing oil and paint fires and fires originating from other volatile liquids—also advantageous in confined fires such as in cellars or attics. Will give long faithful service—carefully designed and constructed of sturdy brass casting, precision-machined. No delicate parts to get out of order.

Be sure to specify thread.

No. 291 Fog Developing Tip..... **$20.35**

General Vapor Nozzle

A quality three-way nozzle—fog, straight stream and shut-off. Gradual shut-off eliminates back-pressure and can be adjusted under pressure to meet heat conditions. Will operate efficiently on pressures of from 40 to 300 pounds. Conserves water—uses three-fourths less than a regular type nozzle. Breaks water up into very small particles which envelope the heat, air and gases and expel smoke from the air to give firemen full protection. Well constructed of bronze. No parts to wear, rust or corrode—no lubrication necessary.

Be sure to specify thread.

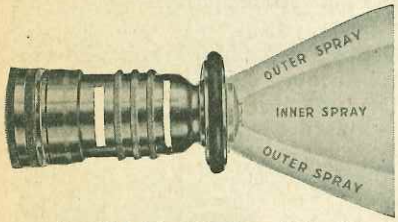
No. 296 General Vapor Nozzle for Booster Lines, fits directly on line or shut-off nozzle..... **$14.00**

No. 297 For Leader Lines, fits directly on 1½" line or shut-off nozzle..... **$22.00**

No. 298 For connecting to large playpipe..... **$25.00**

No. 299 For direct connection to 2½" lines..... **$30.00**

DOUBLE CONE MIST NOZZLE—QUICKER, USES LESS WATER



A new type fog nozzle with double concentric cones to deliver a greater volume of fog more quickly and effectively than a single cone, thereby reducing damage and conserving water. Requires no more water than a single cone, but can be adjusted to a denser penetration, thus extinguishing blaze in less time. Combination type—gradually adjustable from complete shut-off, through all degrees of mist from full wide 160 degree double cone down to a concentrated solid stream and then to a single penetrating cone of mist. A perfect utility nozzle for liquid fires of all kinds, forest fires, cellar and attic fires, coal fires, etc. Be sure to specify thread.

No. 268 Double Cone Mist Nozzle for ¾" or 1" Booster Lines..... **$30.00**

No. 269 For 1½" Leader Lines..... **$33.00**

No. 270 For attaching to Playpipe..... **$35.50**

No. 271 For attaching directly to 2½" Hose..... **$43.00**

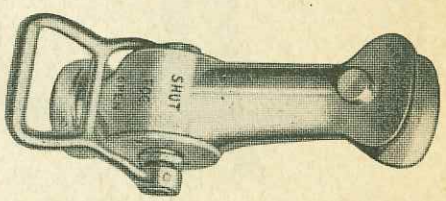
THE NEW 4A DU-AL ALL-PURPOSE FOGNOZL

Large area heat absorption; dispersing smoke, fumes, poisonous and noxious gases, allowing entry of personnel in buildings, attics or enclosed areas. For settling dust after blasting in tunnels, mines, open pits or quarries. Recommended where ordinary straight stream nozzles of like specification are used.

So sturdy is the Du-AL that it may be used to smash an entrance through doors or as a lever to pry partially opened doors. Even the accurately made WATERFOG producing orifices are protected against this heavy duty work.

In changing from one position of valve to another there is a minimum kick-back on nozzle, and men, and hose and pumps and motors. It is a balanced FOGNOZL.

Made for 1½" and 2½" hose line, any thread.



No. 181 1½" Fog Nozzle, tip only..... **$45.00**

No. 182 2½" Fog Nozzle, tip only..... **50.00**

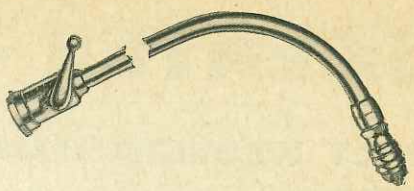
Applicators—4-ft., 6-ft., 7-ft., 10-ft. and 12-ft.—can be had. Write for prices.

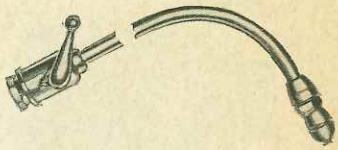
CO² FIRE EXTINGUISHER! FRIGIDFOG SEE PAGE 42—GENERAL'S NEW

Latest type protection against fires, including incendiary bomb fires. WATERFOG Applicators put out fires by actually cooling and smothering them. WATERFOG, a powerful *new* extinguishing agent with a proved record of efficiency.

Used by fire departments, industrial plants, institutions, ships, these applicators quard against hazardous fires so hard to extinguish by ordinary methods. Flammable liquids, kerosene, mineral spirits, gasoline in small containers—all are safely extinguished by WATERFOG applicators. WATERFOG causes incendiary bombs to burn out quickly, at the same time wetting down any combustible material around them. Easy to use—the operator is screened from flame and fumes by the WATERFOG.

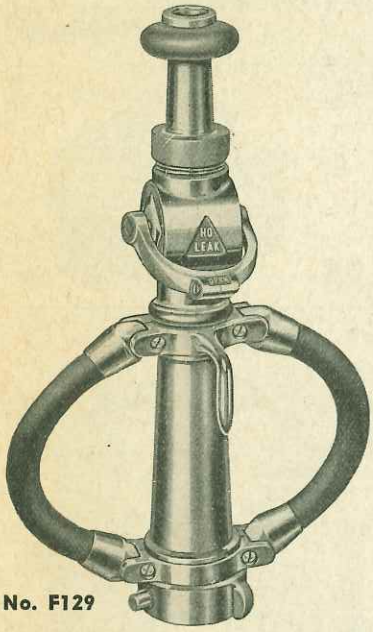
Two standard sizes—6 ft. and 10 ft. lengths, equipped with ball-type shut-offs and chromium plated tubing. Heads have speed threads for quick removal when occasional cleaning is necessary. Effective extinguishing action begins at a minimum of 30 lbs. pressure at the discharge end.



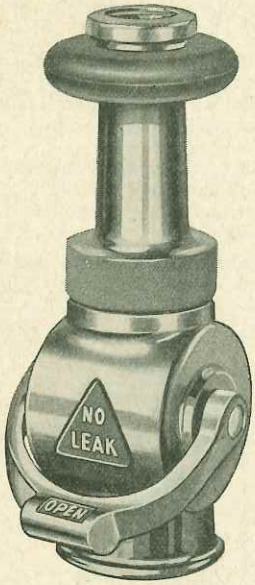


No. 183—1″ $15.00 ea. **No. 184—1½″ $25.00 ea.** **No. 185—2½″ $35.00 ea.**

"NO-LEAK" SHUT-OFF NOZZLES



No. F129



No. F130

No. F131

No. F132

"No-Leak" Shut-off nozzles are sturdily built of a serviceable, perfected, conventional design. The body of the shut-off, a sturdy one-piece bronze casting, in combination with a water jacket formed by clearance between the valve center and the shut-off prevents injury through rough usage. The valve center, a one-piece bronze casting, has a special composition semi-hard shoe insert on the discharge side. This construction provides positive shut-off regardless of variations in water pressure. The special composition of the shoe segment lubricates the bearing surface, assuring quick and easy shut-off action and further eliminates necessity of grinding. The waterway of the body and valve center are machined straight and perfectly aligned, insuring smooth, solid stream. Inside positive top retains alignment independent of handles. Handle is heavily constructed with ample hand room. In three sizes and play pipe assembly . . . Specify thread and finish.

F129 Assembly of F130 "No-Leak" Shut-Off Nozzle with plain beaded tip and "No-Leak" Playpipe with ladder hook . . . Bronze, **$30.05.**

F130 "No-Leak" Shut-Off Nozzle with plain beaded tip, size 2 13/16″ . . . Bronze, **$14.75** . . . Fits on end of standard play pipe.

F131 "No-Leak" Shut-Off Nozzle, 1¼″ or 1½″, with plain beaded tip . . . Bronze, **$12.15.**

F132 "No-Leak" Shut-Off Nozzle, ¾″ or 1″, with plain beaded tip . . . Bronze, **$11.55.**

FIRE DEPT. STEAM THAWER

A very handy and easily operated device for thawing your frozen hydrants. Also has a multitude of other uses. Burns gasoline and will raise steam approximately four minutes after ignition. Supply of steam will last almost an hour.

Frozen hydrants can be thawed out quickly and easily with this outfit. Just set the steamer beside the hydrant, drop the hose down the barrel and turn on the steam. The job can be accomplished in a few minutes.

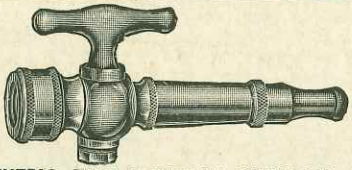
No. 794 ..... **$48.00**

PLAIN CAST BRASS PIPE . . . Specify thread.

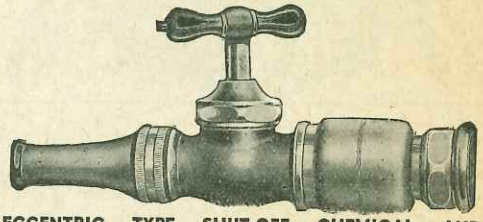
No. 285 1½″, 12″ long, ½″ discharge **$1.95**

No. 286 2½″, 15″ long, ¾″ discharge **$4.95**

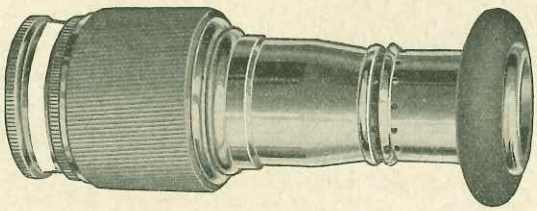
TERMS:
1%—10 Days Net 30 Days
on approved credit



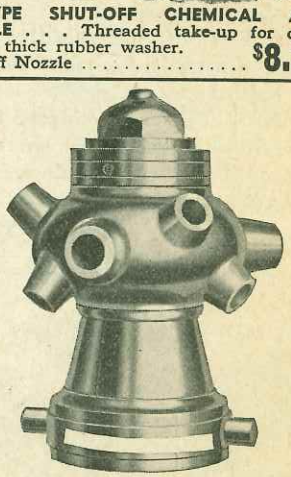
ECCENTRIC TYPE T-HANDLE CHEMICAL HOSE NOZZLE, compression type . . . One-half turn opens or closes discharge outlet . . . Made with ¼″ tip . . . Threaded to fit ¾″ or 1″ chemical hose . . . Specify thread.
No. 275 Chemical Nozzle, polished brass **$7.25**



ECCENTRIC TYPE SHUT-OFF CHEMICAL AND BOOSTER NOZZLE . . . Threaded take-up for compression wear on thick rubber washer.
No. F150 Shut Off Nozzle **$8.25**



CONTROLLING AND SHUT-OFF NOZZLE, gives variable discharge from 1⅛″ down to a complete shut-off . . . Upper part of nozzle has series of holes acting as cushion for the stream and will carry a solid stream long distance . . . Threaded to fit 2½″ playpipe . . . Specify thread.
No. 226 Controlling Nozzle **$29.95**

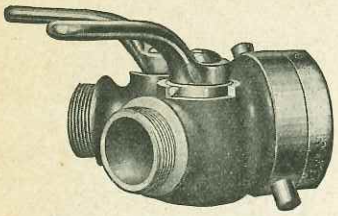


CELLAR NOZZLE, equipped with ball bearings . . . Nine machined openings with three sizes of diameters . . . Threaded to fit regular 2½″ hose . . . Specify thread.
No. 195 Cellar Nozzle **$21.85**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

GREATER DOLLAR FOR DOLLAR

FINELY WROUGHT LEADER LINE SIAMESE—2 QUICK-ACTION SHUT-OFF VALVES



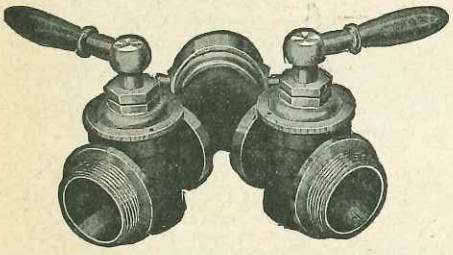
Specify both 1½" and 2½" threads or send sample

One of General's Leaders for Many Years

This is the finest, shortest and most compact Siamese you can get—and the only one with two separate quick opening quarter valves in the body . . . Valves have chrome leather packing to eliminate grinding and other fitting . . . No internal springs or moving parts to need attention—will last a lifetime . . . Can't stick or freeze.

You won't find a better Siamese anywhere priced so low—inferior connections are selling for as high as $30.00 . . . Here's an outstanding example of the high quality and low prices you get when you deal with General.

No. 188 Quick Action Leader Line Siamese, polished brass..... **$20.35**



No. 153 2½" Callahan Double Gate Valve, polished brass ... **$45.75**

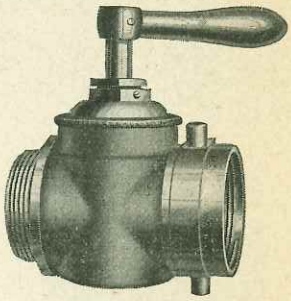
CALLAHAN VALVES

The double gate valve can be opened and closed quickly with a quarter turn of the handle . . . Constructed of the finest red brass with the same superior valve design as the popular leader line Siamese above . . . Will save valuable moments and increase efficiency of your department . . . Will last forever.

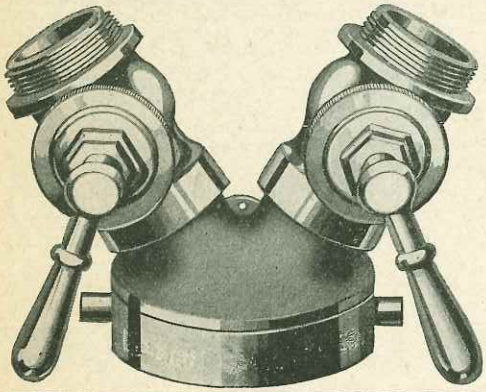
Single gate has same construction features, red enameled body, is equipped with 2½" quick-action quarter turn shutoff.

Specify whether male or female threads are wanted as outlets—also give thread specifications or send sample.

No. 158 Callahan Single Gate Valve, polished brass **$23.95**



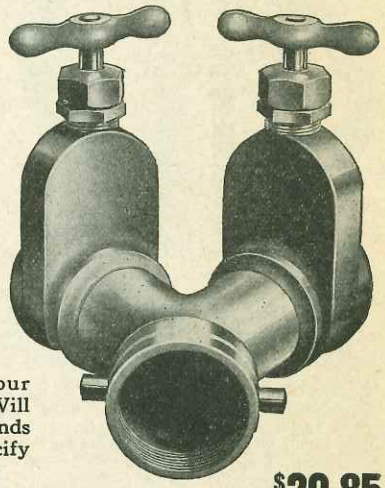
SHORT BODY APPARATUS TYPE SIAMESE



Has two quick-action quarter-turn shut-offs . . . Overall width 12¼", overall length 9"—will not project over running board and can be carried on suction part of pump permanently . . . Also used for pumping in relays . . . Polished brass, red enamel body . . . Female threaded to fit your suction hose, male to fit your 2½" hose . . . Specify thread or send sample.

No. 184 Suction Siamese, 3" x 2½" x 2½"..... **$49.35**
3½" x 2½" x 2½"..... **$51.50**
4" x 2½" x 2½"..... **53.85**
4½" x 2½" x 2½"..... **57.75**

HYDRANT GATE VALVE



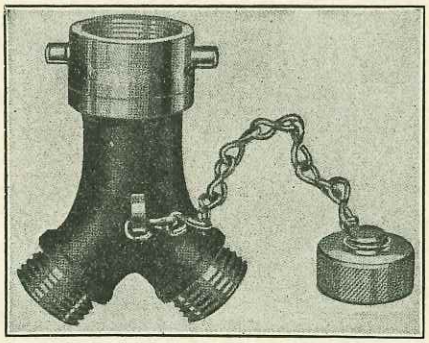
Made with full-size waterway . . . Well constructed and threaded to your specifications . . . Will stand up to 400 pounds pressure . . . Specify thread or send sample.

No. 169 Single Hydrant Gate..... **$20.85**

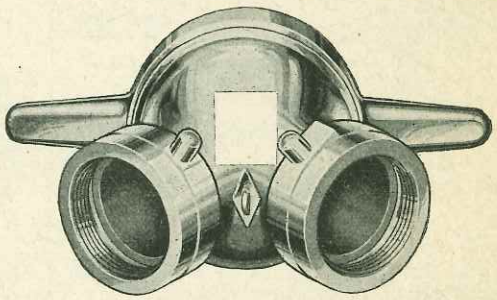
NOZZLE TIP SIAMESE

Used on regular shut-off nozzle makes it possible to divide a 2½" stream into two smaller hose lines, usually ¾" or 1" . . . Can be made with more than two outlets for a slight additional charge . . . When ordering be sure to specify exact size desired on the outlets and give thread specifications for both ends or send sample.

No. 156 Nozzle Tip Siamese **$7.95**



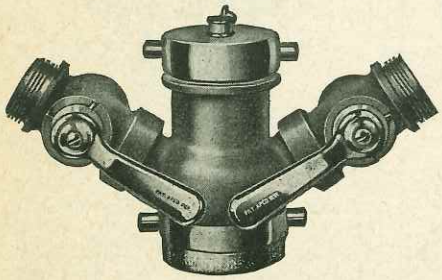
TWO WAY PUMPER SIAMESE



Female swivel with long handles on large end threaded to fit your suction hose . . . 4" inlet and two 2½" female swivels threaded to fit your 2½" suction hose . . . Can be furnished with two 2½" male outlets if desired . . . Specify thread or send sample.

No. 196 Two-Way Pumper Siamese..... **$19.95**

Female can also be threaded 4½", 5" or 6" at **$1.50** extra.



Leader Line Water Thief

Straight-way 2½" connection with 2½" cap and chain, 1½" leader line quick-action valves on each side . . . A compact, sturdy connection affording large and small stream or both . . . Specify thread size or send sample.

No. 166 Leader Line Water Thief, polished brass... **$30.00**

No. 167 Same, with 2½" shut-off **$48.75**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

VALUE *in* GENERAL BRASS GOODS

BUY WAR BONDS
TODAY so that
you won't have to
WEAR Bonds tomorrow.

PIPE HOLDER FOR FIRE HOSE, an essential part of all hose house equipment . . . Instantly attached to Underwriters Pipe, enables one operator to easily control high pressure stream . . . Underwriters requirements.

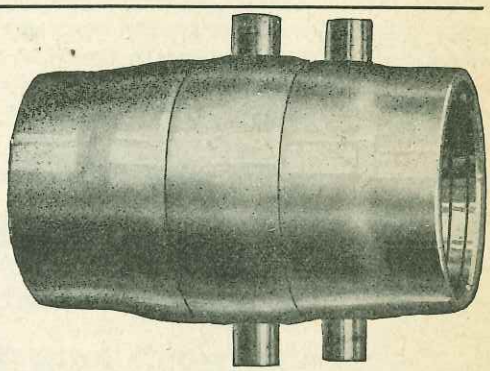
No. F151 Pipe Holder for Fire Hose **$5.90**

UNDERWRITERS' PIN LUG COUPLINGS

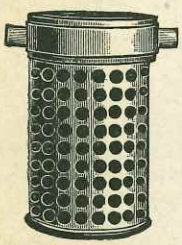
Conform strictly to the latest specifications of the Board of Underwriters as to style, weight and alloy . . . Gasket and two expansion rings furnished with each set . . . Recommended for extremely severe service . . . Be sure to specify thread and outside diameter of hose or send sample coupling.

No. 329 Underwriters' Pin Lug Couplings

For 1½" Leader Line Hose, single jacket, per set **$2.25**
For 1½" Leader Line Hose, double jacket, per set **3.60**
For 2½" Fire Hose, single jacket, per set **4.65**
For 2½" Fire Hose, double jacket, per set **5.10**



SUCTION STRAINER



Cast brass suction hose strainers designed especially for fire department use . . . Infinitely preferable to old style welded steel type.

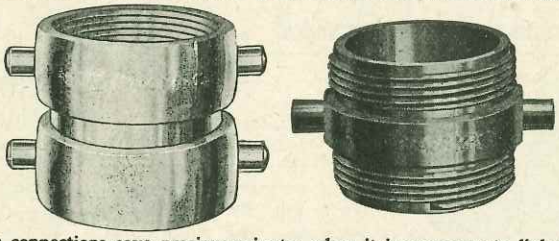
No. 127 Brass Suction Strainer

1½"	$ 7.50
2½"	8.50
3"	10.00
3½"	15.00
4"	19.00
4½"	25.00

Here's Why It's Better to BUY from GENERAL

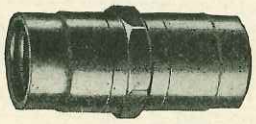
- YOU CAN GET ALL YOUR SAFETY SUPPLIES FROM ONE SOURCE. GENERAL HAS EVERYTHING FOR SAFETY. IF YOU DON'T SEE WHAT YOU WANT, WRITE US.
- Minimum Sales Expense—just a catalog mailed to you for a few cents postage.
- Complete Descriptions and Illustrations of Items. You know what you're getting.
- Prompt Service.
- Highest Quality Merchandise—Lowest Possible Prices.
- Services of Experts to Help You Fill Your Requirements. Just write us.
- More Items. Greater assortments to choose from.

DOUBLE MALE AND FEMALE CONNECTIONS



These connections save precious minutes when it is necessary to link two male or two female ends together . . . No truck should be without them . . . Sturdily constructed of finest red brass for long, severe service . . . Be sure to specify your 2½" thread or send sample.

No. 741 Double Male **$4.25**
No. 742 Double Female **$5.25**



CHEMICAL HOSE COUPLING . . . Made of finest red brass with hexagonal swivel for quick connection . . . No spanner is needed . . . Be sure to specify thread and exact outside diameter of hose, or send sample.

No. 152 Hex Swivel Chemical Couplings
For ¾" hose, per set **$3.05**
For 1" hose, per set **$3.30**

SEWER HOSE COUPLING . . . Specially made with holes for spanners to prevent catching on obstructions . . . Finest red brass construction . . . Specify thread and outside diameter of hose or send sample.

No. 135 Sewer Hose Couplings
For 2" hose, per set **$6.20**
For 2½" hose, per set **6.95**

BRASS HOSE REDUCER . . . Made to order and threaded to your specifications . . . Specify size and thread or send sample.

No. 139 Brass Hose Reducer

2½" x 1"	$1.80	2½" x 2"	$2.15
2½" x 1½"	2.05	3" x 2"	2.50
3" x 2½"	$3.00		

BRASS MALE AND FEMALE ADAPTER . . . For changing over to National Standard thread or for connecting hose of different threads . . . We can furnish any kind—explain your situation and we will send the proper fitting.

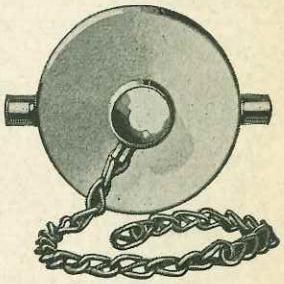
No. 129 2½" x 2½" Adapter **$4.05**

RUNNING BOARD MOUNTING PLATE . . . For holding nozzles, strainers and siamese . . . Specify thread and size or send sample . . . For nickel plate, add 15%.

No. 750 Running Board Plate

1½"	$2.25	3"	$3.80
2"	2.40	3½"	4.60
2½"	2.75	4"	5.15

BRASS HOSE CAP AND CHAIN

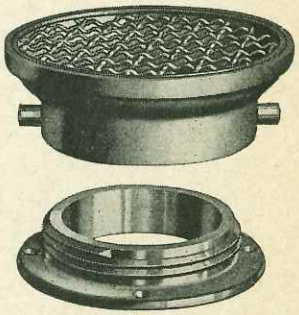


No. 748

1½"	$1.40	3"	$3.50
2"	2.00	3½"	4.45
2½"	2.80	4"	4.85

Less Chain, deduct 10c

SUCTION STRAINER

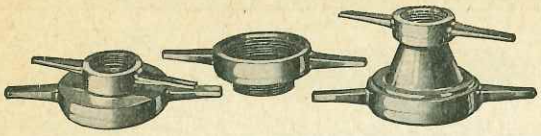


Many departments prefer this flat type strainer with steel wire mesh.

	No. 324 Flat Strainer	No. F324 Mtg. Plate
2½"	$11.00	$3.50
3"	11.10	4.00
3½"	12.00	4.50
4"	13.00	4.75
4½"	13.10	5.00
5"	17.00	5.50

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

FIRE DEPARTMENT HYDRANT AND SUCTION HOSE CONNECTIONS



Finest Red Brass Construction

Depend on General for a complete range of all types and sizes of hydrant and suction hose connections . . . All are specially made to order and threaded to your specifications . . . General uses only the finest materials and workmanship. Prices shown are for polished brass connections—for chromium add 15%.

IMPORTANT

When ordering be sure to specify exact size and type of connection desired. Also specify thread for both ends and send sample couplings if possible. We *must have this information on this and all other brass goods to avoid delay.*

No. 376

Size	Double Female with Pin Lugs	Double Female Long Handle One End	Double Female Long Handle Both Ends	Male & Female with Pin Lugs	Male & Female Long Handle One End
3" x2½"	$ 8.00	$11.75	$13.30	$ 7.75	$10.00
3" x3"	9.25	13.05	15.50	8.50	11.70
3½"x2½"	10.75	13.50	16.25	9.25	12.85
3½"x3"	11.80	15.25	18.00	10.25	13.70
3½"x3½"	12.75	16.00	20.25	11.75	15.25
4" x2½"	10.50	15.95	17.50	10.25	12.75
4" x3"	13.25	17.75	20.25	10.95	14.50
4" x3½"	14.95	19.00	22.00	12.85	15.50
4" x4"	15.50	22.00	22.75	13.35	17.25
4½"x4½"	22.75	31.25	34.75	15.35	19.55
5" x2½"	17.75	20.75	24.25	14.25	17.35
5" x3"	17.85	22.90	25.80	15.25	18.75
5" x3½"	19.75	26.75	30.75	17.25	20.55
5" x4"	22.75	29.75	35.75	17.85	22.00
5" x4½"	26.00	32.00	38.00	19.95	23.75
5" x5"	28.00	37.90	39.50	21.90	25.55
5" x6"	33.75	42.75	46.75	30.75	33.00
6" x6"	40.50	47.25	51.00	32.50	36.50

BUY WAR BONDS

TODAY so that

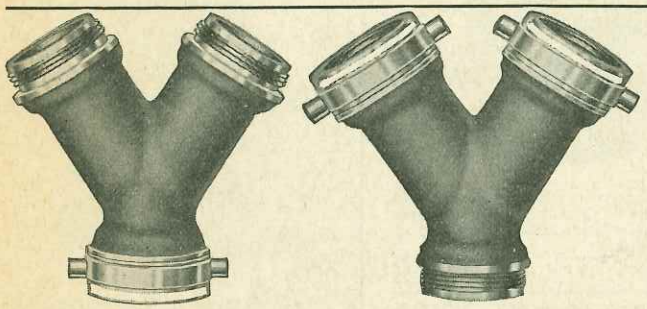
you won't have to

WEAR Bonds tomorrow.

Apply this slogan to your Plant Protection program:

"A year from now, what will you wish you had done today?

Donald M. Nelson"



PLAIN SIAMESE CONNECTIONS

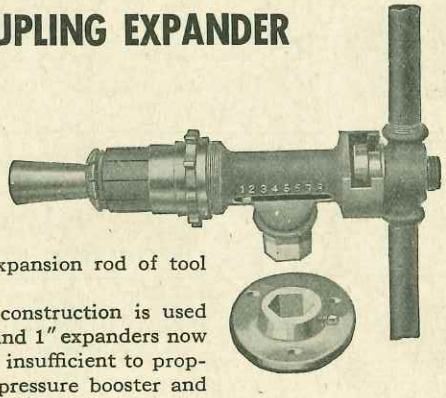
Made of finest quality red brass . . . Threaded to your specifications . . . Furnished as shown with either two male threads and one female thread, to take two lines from one line, or with two female and one male, to unite two streams into one . . . Be sure to specify all thread sizes or send samples . . . For chrome add 15%.

No. 186 Plain Siamese with two male threads and one female thread.

No. 187 Plain Siamese with two female threads and one male thread.

1½"x1½"x1½"	$ 9.35
2½"x1½"x1½"	10.98
2½"x2½"x2½"	12.65

AUTOMATIC FIRE HOSE COUPLING EXPANDER



You can't beat this hand operated expander for service and efficiency

1½" and 2½" sizes are made with roller bearing thrust collar. Ends of segments are completely housed and absolutely unbreakable. Body of expander is constructed so it can be placed in a vice or set in a bench plate. Segments and body are of tough bronze, the tapered expansion rod of tool steel.

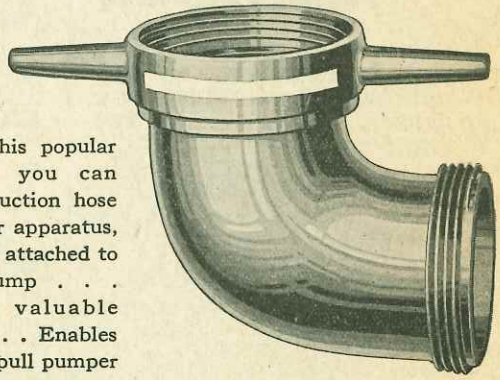
In the ¾" and 1" sizes, ball bearing construction is used and segments are of alloy steel. Most ¾" and 1" expanders now on the market have only about ⅛" travel, insufficient to properly expand hose into couplings for high pressure booster and chemical work. General's new 1" ball bearing expander has approximately ⅜" travel and the ¾" expander has approximately ¼" travel, necessary to tightly set hose into couplings.

These expanders overcome previous difficulty in properly attaching couplings to hose—especially when the hose has a heavy wall and is of soft, pliable construction. Both of these fine expanders are constructed for long service—repairs should never be necessary. All sizes shipped promptly from stock.

No. 130 Automatic Fire Hose Coupling Expander

¾"	$32.35	1½"	$25.40
1"	32.35	2½"	25.40

ANGLE SUCTION ELBOW



With this popular device you can carry suction hose on your apparatus, already attached to the pump . . . Saves valuable time . . . Enables you to pull pumper right up to hydrant, ready for quick action . . . Cast brass, highly polished.

No. 168 Angle Elbow

2½"	$12.00	4"	$29.00
3"	13.50	4½"	30.98
3½"	25.75	5"	37.10

SEE PAGE 42–GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

HANDY FIRE FIGHTER

$15.50 Complete

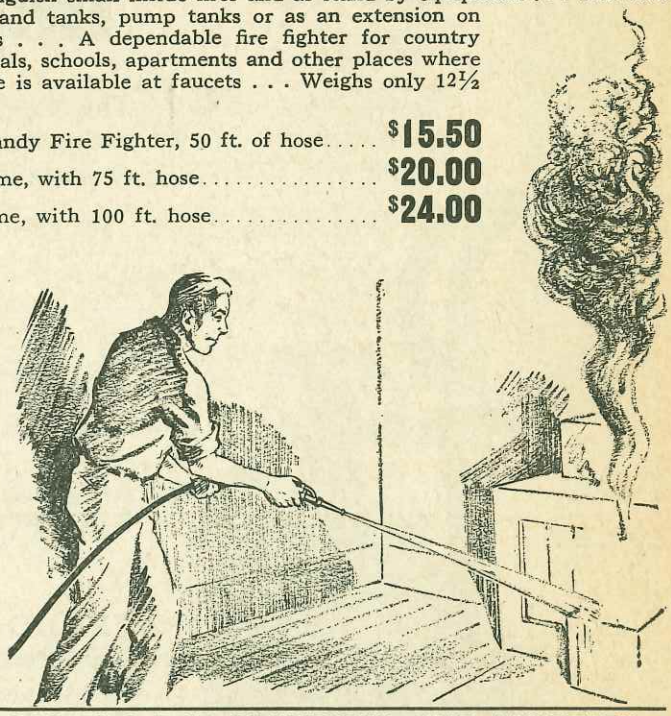
PUTS OUT SMALL FIRES QUICKLY MAKES EVERY FAUCET A HYDRANT

This high quality, sturdy fire-fighting unit fits any shape of smooth spout, standard faucet—and has a hose bib attachment to fit all bib type faucets . . . Hose is all rubber, non-kinking, high-pressure type with handy strap to hold it in regular coil and hard rail strap with snap to hang on any hook or on truck hand rail . . . Other features include automatic shut-off valve at the nozzle to give positive control and nozzle designed to deliver best type of stream from faucet pressure . . . The Handy Fire Fighter is used by hundreds of fire departments to extinguish small inside fires and as stand-by equipment . . . Fits onto booster lines and tanks, pump tanks or as an extension on chemical lines . . . A dependable fire fighter for country estates, hospitals, schools, apartments and other places where water pressure is available at faucets . . . Weighs only 12½ pounds.

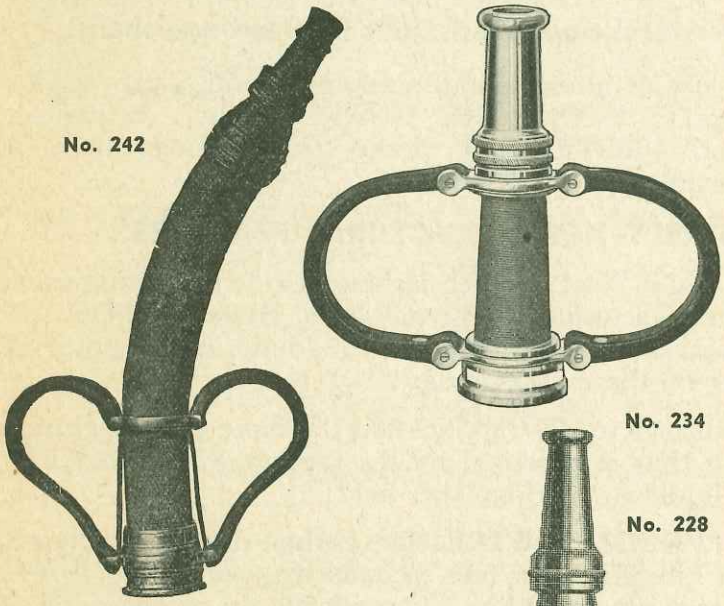
No. 749 Handy Fire Fighter, 50 ft. of hose..... **$15.50**

No. 749A Same, with 75 ft. hose..... **$20.00**

No. 749B Same, with 100 ft. hose..... **$24.00**



SPECIAL FIRE DEPT. PLAYPIPES



No. 242

No. 234

No. 228

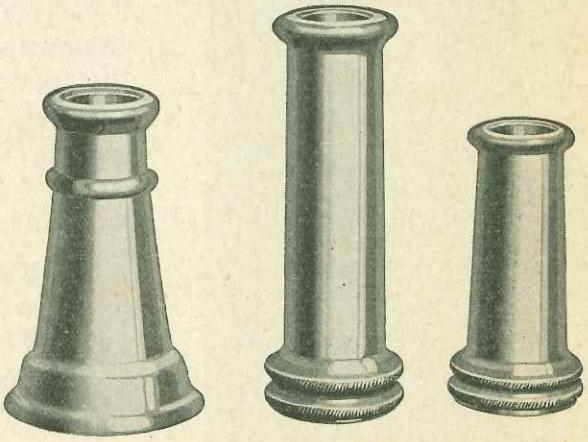
No. 228 BOSTON PIPE; leather-covered brass playpipe; swivel leather handles; 20″ over-all length **$20.00**

No. 234 PET PLAYPIPE; cast brass; machined inside and outside; wound and pointed; heavy leather handles, reinforced with steel; swivel base and top; over-all length 12½″ **$17.80**

No. 242 FLEXIBLE PIPE; Permatite treated; wire interwoven tube; leather handles; 30″ over-all length **$29.50**

All three playpipes are threaded to fit your 2½″ connections. Specify your 2½″ thread or send sample.

BRASS TIPS FOR PLAYPIPES AND NOZZLES



No. 236 No. 237 No. 238

Any size discharge can be furnished . . . All tips hand polished inside with fine abrasive and tripoli to insure perfect stream . . . Specify nozzle tip thread and style number when ordering.

No. 235

No. 235 Chemical Nozzle Tip, 3½″ long **$1.85**

No. 236 Underwriter Tip, 5″ long **$1.95**

No. 237 Shut-off Nozzle Tip, 6″ long **$2.65**

No. 238 Shut-off Nozzle Tip, 4½″ long **$2.25**

No. 239 Shut-off Nozzle Tip, 3″ long **$2.15**

No. 239

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

FRIGID FOG NEWS!

"FREEZES" FIRE

Important to Industry

The General Detroit Corporation, with its enviable record of fire extinguisher volume production, is commencing the manufacture of carbon dioxide fire extinguishers.

This means that

FRIGID FOG

Underwriters' approved CO^2 Fire Extinguishers

will climb to place of international acceptance and approval alongside of "General's" S.O.S. FIRE GUARD 1-quart extinguisher, ALASKAN and PROTECTOR pump tank extinguishers, and FLOAFOME foam type extinguisher.

ENTIRELY NEW STRUCTURAL FEATURES

FRIGID FOG is not "just another carbon dioxide fire extinguisher"! Engineered along exclusive "General" lines, FRIGID FOG offers features of structural superiority not to be found in any other CO^2 fire extinguisher on the market today!

FRIGID FOG brings to CO^2 application the same great engineering advancement as that represented by the famous FIRE GUARD in the vaporizing liquid fire extinguisher field.

LITERALLY "FREEZES" FIRE. The carbon dioxide discharge of FRIGID FOG kills fire in a few seconds by penetrating to every corner where fire exists, excluding and replacing the oxygen necessary to combustion.

NON-FREEZE and NON-CONDUCTOR, FRIGID FOG may be listed in the classification of "non-freeze" extinguishers. May be discharged safely on live electrical equipment.

OIL FIRES "EASY" WITH FRIGID FOG. Fires in oils, greases, flammable liquids are quickly controlled.

NO "AFTER FIRE MESS." FRIGID FOG discharge leaves no trace on the finest mechanism or material!

SOME IDEAL FRIGID FOG INSTALLATIONS

Electrical equipment	War tanks	Aircraft factories
Boats	Power rooms	Industrial plants
Trucks	Airplanes	Refineries

Wherever carbon dioxide fire extinguishers are to be used, FRIGID FOG will do it better.

FRIGID FOG
15-lb. Size
Underwriters' Approved

DON'T SAY "CARBON DIOXIDE"—*Say* "FRIGID FOG"

MAY WE SUBMIT QUOTATION ON YOUR REQUIREMENTS

Associated Factory Mutuals and Underwriters Laboratories Approved

FIRE EXTINGUISHERS

"Another Bulwark of National Fire Defense"

(S. O. S. (HEAVY DUTY)

FIRE GUARD

(1 or 1½ Qt. Vaporizing Liquid (C.T.C.) Type) Fire Extinguisher

Model 85 HD
1 qt. Size

Handy size for Car, Truck, Boat, Home and Airplane use. Effective on electrical, gasoline, and oil fires.

SPECIFICATIONS

S. O. S. Fire Guard made of seamless drawn brass. Bracket pressed steel, Parkerized with baked enamel finish.

Shipping Weight	1 Qt.	1½ Qt.
	8 lbs.	11 lbs.

Shipped complete with fluid and bracket. Underwriters' Laboratory Classification B-2, C-2.

85 HD S.O.S. FIRE GUARD $8.33

(Complete with Fluid and Bracket)

FLOAFOME

2½-Gallon Foam Type Extinguisher

Model F833

Constructed of best grade cold rolled fire extinguisher copper. Interior protected by special corrosion-resisting alloy. Seams sealed by exclusive "sure sweat" process.

Effective on fires in gasoline, oils, greases, paints, chemicals, etc. Produces approximately 22 gallons of tough, fire-killing foam. Shipping weight, 22 lbs. Underwriters' Classification A-1, B-1.

F833 FLOAFOME $11.95

SF833 . . . . . $13.95

(Complete with Charge)

ON QUANTITIES ASK FOR "LARGE USERS" DISCOUNT

ALASKAN

2½ Gallon Pump Tank Water Type

Model A 704-S

Recommended substitute for soda acid extinguisher. May be used with anti-freeze charge for sub-zero temperatures.

Constructed of heavy galvanized steel. Tank is coated on inside to resist corrosion and is equipped with double acting pump. Body neatly finished in green enamel. Operates simply by pumping liquid through the hose direct to the fire. Shipping weight, 11 lbs. Underwriters' Laboratories Classification A-1.

A704-S ALASKAN $10.00

(See reverse side for cost of anti-freeze charge)

PROTECTOR

5 Gallon Pump Tank Water Type

Recommended substitute for soda-acid extinguisher. May be used with anti-freeze charge for sub-zero temperatures.

5 Gallon Non-Freeze Pump Type Extinguisher

Fluid will not freeze at 40° below zero, and extinguisher does not require annual recharging.

Constructed of heavy galvanized steel. Tank is coated on inside to resist corrosion and is equipped with double acting pump. Body neatly finished in green. Operates simply by pumping liquid through the hose direct to the fire. Shipping weight, 15 lbs. Underwriters' Laboratories Classification A-1.

Model P909-S

P909-S PROTECTOR $14.00

(See reverse side for cost of anti-freeze charge)

Prices do not exceed ceiling prescribed under the General Maximum Price Regulation issued by the Office of Price Administration.

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

FOAM ENGINES

Model F840-O
Overall Width 45″
Shipping weight 675 lbs.

Recharge $11.75
Recharge shipping wt. 70 lbs.

Generating about 300 gallons of foam and with an effective range of 40 to 60 feet from the nozzle, this engine will extinguish a surprisingly large fire. The foam will form a protective blanket against reignition. Equally effective on gasoline, oils, paints, wood, textiles, etc.; but should not be used on alcohol or acetone.

Equipped with 50 feet of heavy duty chemical hose and shut off nozzle, and shipped complete with charge.

PRICES

Model	
F840-1 Indoor Type	$450.00
F840-0 Outdoor Type	$500.00

Model F840-I
Overall Width 32″
Shipping weight 650 lbs.

Recharge $11.75
Recharge shipping wt. 70 lbs.

SODA-ACID ENGINES

Model SA340-O
Overall Width 45″
Shipping weight 625 lbs.

Recharge $5.00
Recharge shipping wt. 41 lbs.

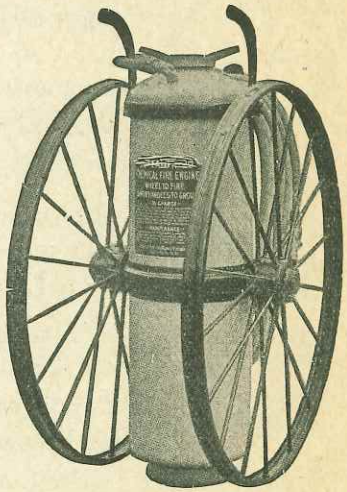
Effective at distances of 40 to 60 feet from the nozzle, these engines are especially designed for use on fires in wood, textiles, paper, alcohol, acetone, etc.; but not recommended for oils or paints.

They are especially suitable for warehouses, institutions, factories, and large buildings.

Equipped with 50 feet of heavy duty chemical hose and shut off nozzle. Shipped complete with charge.

PRICES

Model	
SA340-L Indoor–Loose Stopple	$400.00
SA340-I Indoor–Manually Operated	$425.00
SA340-O Outdoor–Manually Operated	$475.00



Model SA340-I & SA340-L
Overall Width 32″
Shipping weight 600 lbs.

Recharge $5.00
Recharge shipping wt. 41 lbs.

PRICES SHOWN ARE LIST. WRITE FOR DISCOUNTS.

SEE PAGE 42–GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

GENERAL RECHARGES
AT LOWEST PRICES

Because General manufactures fire extinguishers, we can offer you a complete line of recharges at prices that save you money. You can be sure of getting absolutely fresh stock at a cost that means, in some cases, a saving of as much as 50 per cent.

Remember that these are the same superior chemical recharges General uses in its own famous fire extinguishers. Exacting tests in our own laboratories show these are the finest grade chemicals obtainable.

When placing your order be sure to GIVE NAME, MAKE and SIZE OF YOUR EXTINGUISHER.

No. 665	2½ Gallon Soda-Acid Recharge, each	$ .25
No. 666	Same, in lots of one dozen, each	.21
No. 667	2½ Gallon Foam Recharges, each	.80
No. 668	Same, in lots of one dozen, each	.78
No. 707	2½ Gallon Calcium Chloride Recharge, each	.88
No. 708	5 Gallon Calcium Chloride Recharge, each	1.75
No. 744	40 Gallon Soda-Acid Chemical Engine Recharge	2.75
No. 745	40 Gallon Foam Chemical Engine Recharge	6.60

S.O.S. FLUID

Underwriters Laboratories recommend that for most efficient results, only fluid made to definite specifications be used in vaporizing liquid type fire extinguishers . . . S.O.S. Fluid is manufactured to strict specifications—it will not freeze at temperatures as low as 40° below zero . . . Do not use ordinary carbon tetrachloride in your extinguisher—even full strength it is not suitable for extinguisher purposes and will corrode the extinguisher . . . S.O.S. Fluid is the highest quality fire extinguisher fluid on the market.

No. 442	S.O.S. Fluid, quart can, each	$ .75
No. 445	S.O.S. Fluid, gallon can, each	2.70

REPLACEMENT PARTS

The parts and prices listed below cover only replacements for General's 2½ Gallon Red Star Soda-Acid, Floafome Foam, 2½ Gallon Alaskan and 5 Gallon Protector and Neptune Extinguishers. However, we can supply parts for any extinguisher. Write for prices, giving name, make and type of extinguisher for which parts are desired.

2½ Gallon Red Star Soda and Acid

No. 610	Acid Bottle	$ .20
No. 611	Acid Bottle Cage	1.50
No. 612	Wheel Cap	2.00
No. 613	Hose Assembly	1.25
No. 614	Rubber Gasket	.15
No. 615	Plain Nozzle	.20
No. 616	Hanging Bracket	.15
No. 617	Lead Stopple	.25

2½ Gallon Floafome Foam Type

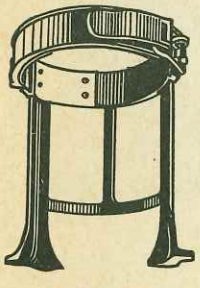
No. 618	Inner Container	$2.50
No. 619	Lead Stopple	.60
No. 620	Wheel Cap	2.25
No. 621	Hose Assembly	1.25
No. 622	Rubber Gasket	.15
No. 623	Plain Nozzle	.20
No. 624	Hanging Bracket	.15

2½ Gallon Alaskan Pump

No. F610	Hose Assembly	$1.50
No. F611	Pump Assembly	9.75
No. F612	Hanging Bracket	.15

5 Gallon Protector and Neptune Pump

No. F613	Hose Assembly	$1.50
No. F614	Pump Assembly	9.75

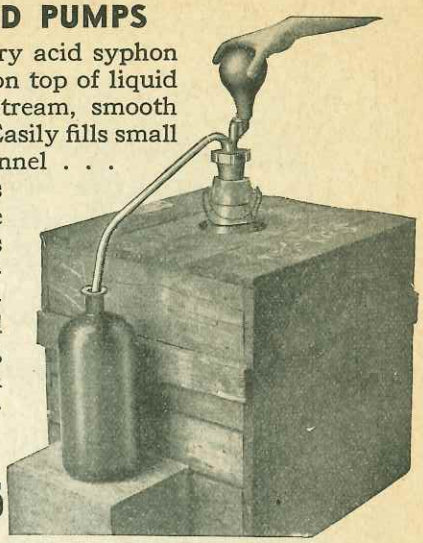


QUICK ACTION HOLDER

With this holder you can mount a fire extinguisher on the running board of your apparatus . . . Made of the finest tempered steel—lined on inside with leather to prevent marring and rattling . . . Latest design, fully improved . . . Toggle clamp fastener is specially designed and constructed so extinguisher can be easily released . . . Holder occupies little space on running board . . . Finished in bright fire department red.

No. 921 Holder for 2½ Gallon Extinguisher **$8.95**

PNEUMATIC ACID PUMPS



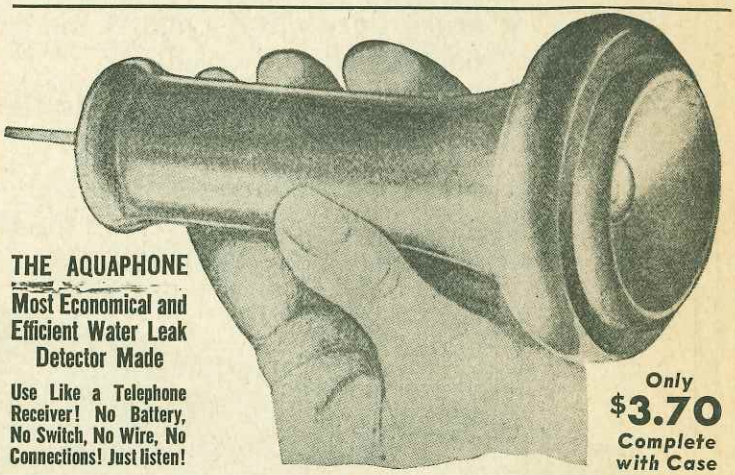
Much faster than ordinary acid syphon because it puts pressure on top of liquid to force it out in full stream, smooth and free from spurts . . . Easily fills small neck bottles without funnel . . . Capacity about 2 gallons per minute . . . Impossible to generate dangerous pressure . . . Easy to transfer from one pump to another . . . Pipe is of lead . . . When not in use, pump can be hung on bracket, which is included.

No. 332 Acid Pump **$8.95**

NEW FOOT-OPERATED PUMP

This new increased capacity air pump is operated by the foot, as shown in the illustrations . . . Because of difficulty in obtaining molded rubber hand bulbs for the type pump shown above, this new foot-operated pump is more easily obtainable . . . May be attached to pump shown above by simply removing bulb . . .

No. F381 Foot-Operated Acid Pump **$10.45**



THE AQUAPHONE

Most Economical and Efficient Water Leak Detector Made

Use Like a Telephone Receiver! No Battery, No Switch, No Wire, No Connections! Just listen!

Only $3.70 Complete with Case

Here is the finest instrument of its type on the market today—the Aquaphone—most compact and efficient little device ever developed, regardless of its utmost simplicity and small cost. Thousands of Water Superintendents all over the U. S. and even in foreign countries keep one or several always on hand. Pays for itself the first time used. Inspectors carrying an Aquaphone can easily detect leaks, waste and running water right on the premises simply by placing the instrument to the piping.

Any kind of a light metal rod is driven into the ground at some point as near the pipe as possible. If there is a leak in the vicinity, the rod will vibrate. With the Aquaphone held to the ear, exactly as you use a tlephone receiver, and the point lightly touching the metal rod, this vibration will become distinctly audible and thus the leak is detected.

No. K425. Aquaphone complete in carrying case **$3.70**

If wanted with two 6" quickly attachable extension rods, 75c extra. Longer extension rods can be supplied on request.

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

ESTABLISHED 1903
GENERAL'S QUALITY Fire Apparatus Has Protected Millions—
Experience Counts!

AMERICA'S ★ ENGINEERED and

For years, GENERAL Fire Trucks have stood for quality. In 1943–more than ever–you can count on GENERAL for top performance and the ability to "take it" in the toughest kind of service.

★ ★ ★

Thousands of buyers know that when they specify GENERAL they specify more of the important features that make a fire truck really outstanding.

★ ★ ★

When you buy a GENERAL Fire Truck you get MORE OF THE FEATURES THAT COUNT. You get:

★ ***More Pumping Ability***–Hi-Efficiency Multi-Stage Parallel Series Centrifugal Pump. Precision Rotary Gear Pump optional.

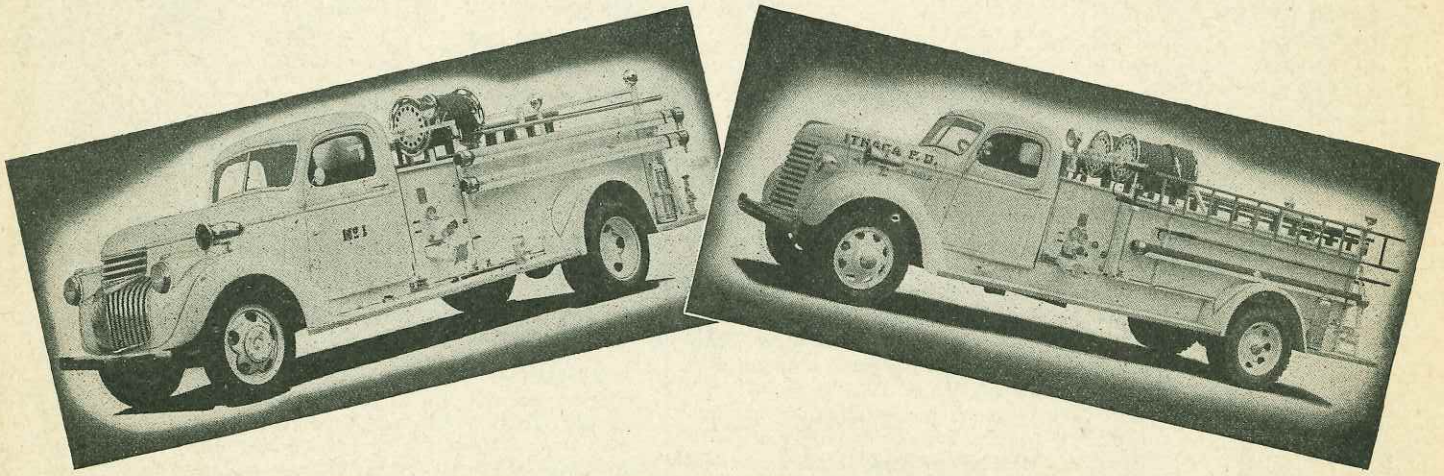
★ ***More Operating Safety***–Simplified Controls–Positive Pump Pressure and Engine Speed Regulation by Engine Regulator . . . An outstanding GENERAL feature.

★ ***More Protection*** – For Engine, GENERAL'S Self-Contained Auxiliary Cooler. For Pump, Combination Pump Heater for freezing or sub-zero weather operation.

★ ***More Durability***–Quality materials used throughout. "UNIT-EE" steel hose body electrically welded.

★ ***More Style***–GENERAL is the leader in styling with streamlined design, body symmetry and balance.

★ ***More Confidence***–GENERAL was established in 1903. More than a Third of a Century of Progress in the Fire Apparatus Industry, building commercial and custom apparatus. Designed and engineered in America's Motor City.



THE GENERAL FIRE TRUCK COMPANY

***Division of* THE GENERAL DETROIT CORP., 2272 E. Jefferson Ave., Detroit**

FINEST FIRE TRUCKS

BUILT IN THE MOTOR CAPITAL ★

★ **Every GENERAL Fire Truck is passed by the National Board of Fire Underwriters and State Inspection Bureaus.**

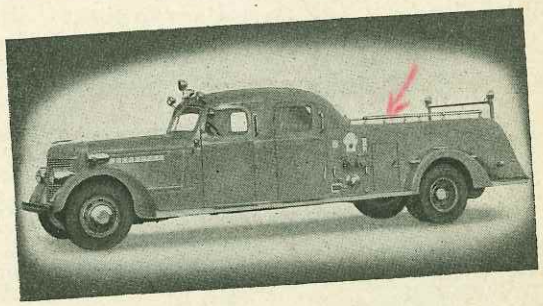
But GENERAL didn't become the Value Leader through features alone. Back of the popularity of GENERAL Fire Trucks is a reputation for service that saves you time and money because:

- GENERAL'S Factory is in Detroit. Your chassis price to the city is lower by amount of delivery expense. You order chassis delivered to our factory.
- GENERAL handles the deal. No finance charge—just 6% per year on balance.
- GENERAL delivers complete apparatus to your city and includes the service of an experienced delivery engineer who instructs your Fire Department in operation and maintenance.

GENERAL'S quality, efficiency and durability stand ready to meet the toughest kind of test. Many GENERALS recently have been delivered to the U. S. War Department and Navy Department—and more are on the way.

In these days when every municipality is more conscious of fine fire equipment than ever before, GENERAL continues to be the choice of officials who demand quality above all else. If you're thinking of getting new fire apparatus, get it all—from brass goods to trucks—from GENERAL. That's the way to be sure.

Write or wire your requirements—we'll rush complete details, specifications and prices—and our experienced engineers will be at your service to help you make a fire truck buy in the best interests of your community.



CUSTOM BUILT

GENERAL leads in CUSTOM BUILT Fire Trucks, too! Specially designed 500 to 1250-gallon Pumpers and other Custom Equipment built by GENERAL is now in service in Cleveland, St. Louis, Minneapolis, Kansas City and other large cities.

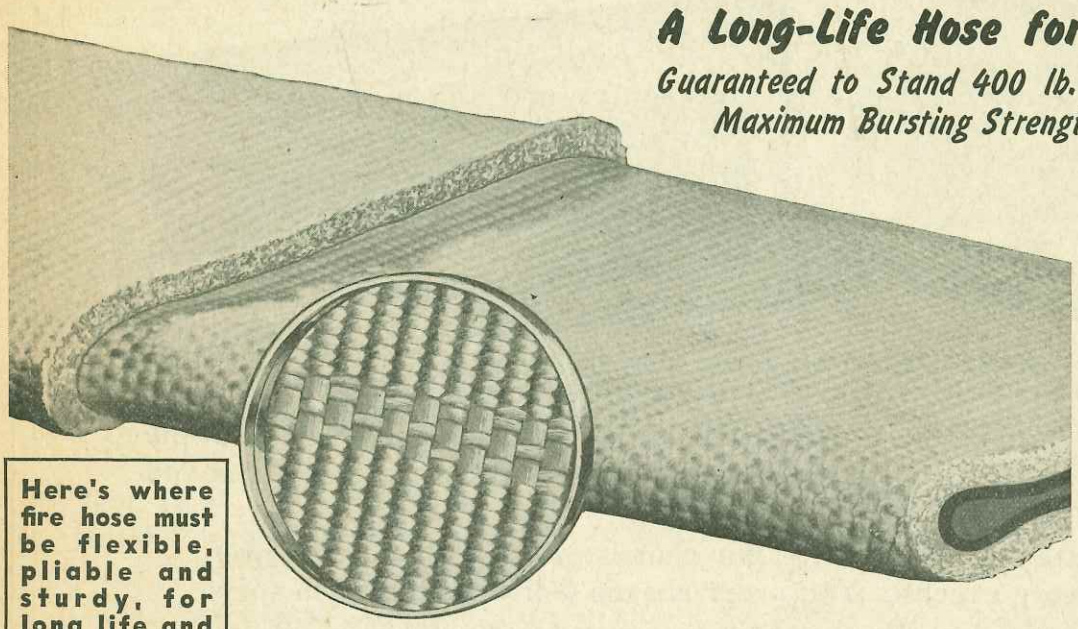
WORLD'S FINEST FIRE HOSE

All Over America Fire Hose Buyers Are Switching To . . .

INNERFLEX

(Patents Pending)

Because of Its Finer Quality, Greater Flexibility, Compactness and Impressive, Long-Life Performance



Here's where fire hose must be flexible, pliable and sturdy, for long life and easy folding into hose bed.

The above illustration of a magnified section of INNERFLEX will give you a good idea of General's jacket construction. Note how the closely packed, compact weave spreads and gives at the point of fold. It's the finest cotton rubber lined fire hose on the market, regardless of price.

A Long-Life Hose for Heavy Duty Service

Guaranteed to Stand 400 lb. Pressure Test on Delivery— Maximum Bursting Strength Approximately 800 lbs.

Once more GENERAL, leading the field as always, comes forth with a proven development in fire hose construction which we believe to be the most important recent advance in the entire industry. INNERFLEX hose has as tough an outer jacket as any hose you've ever used. The inner jacket also is woven in the same compact, hard-twisted manner EXCEPT —at the point of fold. There's where the miracle of INNERFLEX jacket construction comes in. By using a special, patented open weave at the *exact folding point,* strain at the side of the jacket is eliminated completely, pliability is increased and a perfect "flat cure" is achieved.

Note the threads in the specially woven section—how they seem to actually "hinge" the closely woven sections together. You'd never discover this feature unless you were looking for it—yet it's one of this decade's outstanding improvements in fire hose.

You'll see more work and hear no grumbling when you put INNERFLEX in your department. Its amazing flexibility speeds up work at fires and saves time when minutes and even seconds are vital. Then it can be rolled flat in compact form and loaded back on the trucks in jig-time. No wasted time, no lost motion. INNERFLEX is the modern hose for modern, progressive thinking Fire Chiefs to buy. If you want to step up the efficiency of your department, we urge you to place this fine hose in your department.

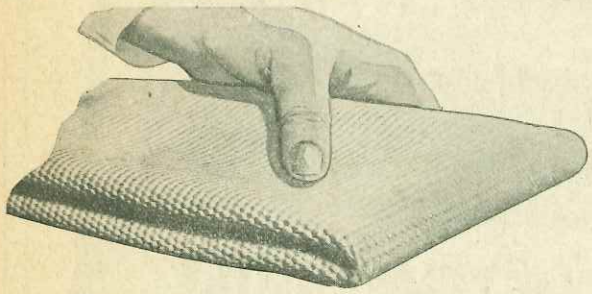
1½" Size Uncoupled or with your old couplings attached, per foot 68c

With New Pin Lug Couplings, per ft. . .73c
With New Rocker Lug Couplings, per ft. 75c

2½" Size Uncoupled or with your old couplings attached, per foot 89c

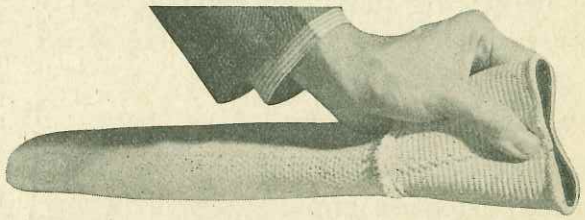
With New Pin Lug Couplings, per ft. 98c
With New Rocker Lug Couplings, per ft. $1.03

For Permatite Wax and Gum Treatment Add 7c per ft. to Above Prices



Innerflex folds completely in half with no difficulty whatever

It's a miracle of flexibility. With its perfect "flat cure," Innerflex folds naturally into place in the hose bed of your truck. No strain in rolling or racking. Naturally, the hose is easier to handle, too, and takes up less space.



Test the pliability of Innerflex by squeezing the flat sides together as shown at left. You'll be amazed at its "liveness" and flexibility.

FREE DELIVERY ON ALL HOSE ORDERS FOR 200 FEET OR MORE

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

OUR FINEST GRADE OF SINGLE JACKET HOSE

AN UNSURPASSED VALUE at 65c per FOOT

VALUE BEYOND BELIEF

Many Municipalities and Volunteer Fire Departments prefer a single jacket hose. It is easier to handle, lighter in weight and not so difficult to work with. In General Super, we offer a single jacket hose of finest quality, at a special low price which every Fire Department can afford.

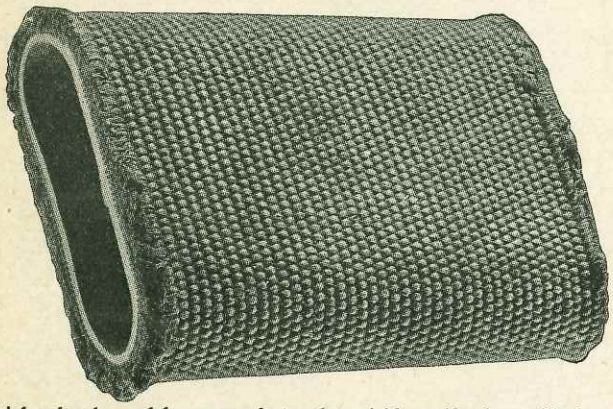
General Super is pressure tested to 350 lbs. and its bursting point is well over 600 lbs. The jacket is closely woven of heavy yarn, uniformly distributed. The tube is of laminated construction insuring against pinholes or imperfections. A backing is inserted between tube and jacket which insures strong adhesion and a smooth inner surface when the hose is under pressure, thus reducing friction loss. Because of this fine construction you can bend or fold General hose without fear of damage. It is designed to remain live and pliable through long service.

If you require a single jacket hose, you will make no mistake by ordering General Super. We deliver free all orders for 200 feet or more.

No. 594 General Super 2½″ Single Jacket Fire Hose, per foot **65c**

We will attach your old couplings free if they are in good condition. If new couplings are desired, we can furnish this hose complete with new Pin Lug Couplings at **73c** per foot and with new Rocker Lug Couplings at **76c** per foot. For Permatite treatment, add 5c per foot to above prices.

A NEW *VICTORY* APPROVED BRAND FIRE HOSE FOR NATIONAL DEFENSE



Fire chiefs who demand hose manufactured to rigid specifications will choose this hose bearing the Victory Brand. Every length of hose meets stringent requirements to assure you of an outstanding value.

No. 560 Victory Approved 2½″ Single Jacket Fire Hose, per foot **58c**

No. 562 Victory Approved 2½″ Double Jacket Fire Hose, per foot **79c**

We will attach your old couplings free if they are in good condition. If new couplings are desired, we can furnish this single jacket hose complete with new Pin Lug Couplings at **66c** per ft., and with new Rocker Lug Couplings at **69c** per foot. Double jacket hose with new Pin Lug Couplings, **88c** per foot, and with new Rocker Lug Couplings, **93c** per foot.

For Permatite Treatment, add 5c per foot to above prices for single jacket, 7c per foot for double jacket.

If you require a single jacket hose of lighter weight than General City Service Super, above, we recommend General City Service Special, which is exactly the same in design and construction except that its jacket is woven of medium weight yarn.

General Special is pressure tested to 300 lbs. and has resisted bursting tests up to 550 lbs.

No. 586 General Special 1½″ Single Jacket Fire Hose, per foot **46c**

We will attach your old couplings free if they are in good condition. If new couplings are desired, we can furnish this hose complete with new Pin Lug Couplings at **52c** per foot and with new Rocker Lug Couplings at **56c** per foot. For Permatite Treatment, add 5c per foot to above prices.

GENERAL ¾″ AND 1″ MULTI-PLY RUBBER COVERED BOOSTER LINE HOSE

Our finest grade of rubber covered Booster Line Hose. Sturdy Multi-Ply construction throughout, pressure tested to 400 lbs. Red rubber cover, smooth finish, dries very quickly. Made in 50 ft. lengths only.

No. 326 General ¾″ Booster Line Hose, per foot **39c**

No. 327 General 1″ Booster Line Hose, per foot **45c**

Complete with new Pin Lug Couplings, **43c** per foot for ¾″ hose, **49c** per foot for 1″ hose. With new Rocker Lug Couplings **46c** per foot for ¾″ hose, **52c** per foot for 1″ hose.

GET GENERAL'S LOWER PRICES

Write for GENERAL'S Famous Low Prices on

SOFT and HARD SUCTION HOSE

Check General's Prices Before You Buy *Any* Hose

WE SUPPLY ALL TYPES OF HOSE

Here's Proof of the Dependability of GENERAL FIRE HOSE

A FEW OF THE METROPOLITAN CITIES USING GENERAL FIRE HOSE INCLUDE:

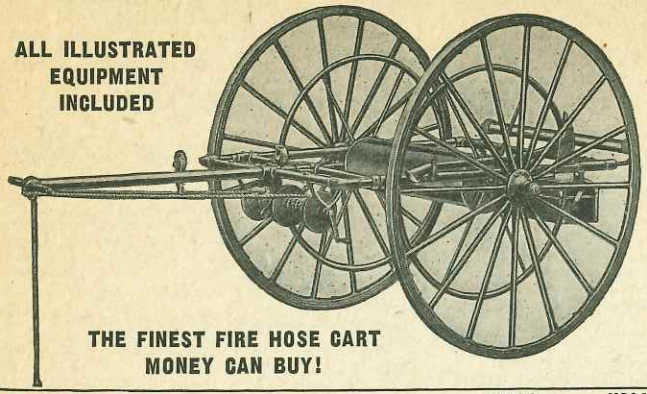
ST. LOUIS	83,000 Ft.
CLEVELAND	20,000 Ft.
DETROIT	39,700 Ft.

Plus Thousands of Other Cities, Villages Townships and Industries

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

FIRE DEPARTMENT STYLE HOSE CART

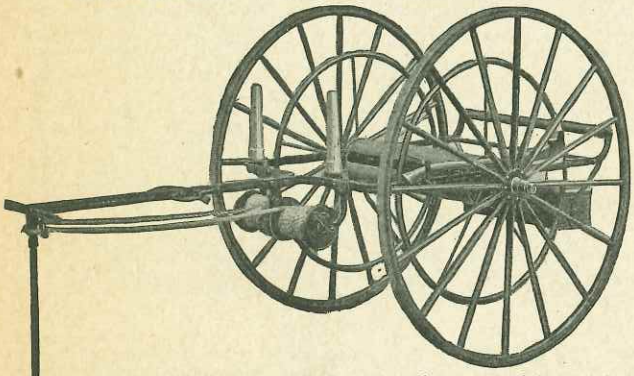
ALL ILLUSTRATED EQUIPMENT INCLUDED



THE FINEST FIRE HOSE CART MONEY CAN BUY!

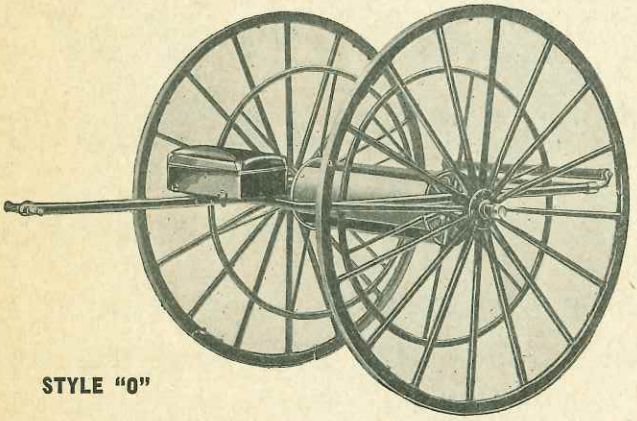
Catalog Number and Price	K204 $99.00	K206 $123.00
Height of Wheels, in inches	42	52
Extreme Width, in inches	48	54
Length, in inches	93	105
Weight, Complete, pounds	218	262
Shipping Weight, crated, pounds	275	330
Capacity of 2½" Rubber-lined Mill Hose	300 ft.	500 ft.
Capacity of 2½" Double Jacket or Rubber Hose	150 ft.	300 ft.

WROUGHT FRAME FIRE HOSE CART



In three sizes . . . Exceedingly well made, with tool box, friction roller in rear, rope reel and rope, two cone type nozzle holders, artillery type wood wheels, all nicely painted and striped.

Catalog Number and Price	K201 $99.00	K203 $123.00
Height of Wheels, in inches	42	52
Extreme Width of Cart, in inches	48	54
Extreme Length of Cart, in inches	86	100
Weight, Complete, in pounds	225	270
Shipping Weight, crated, pounds	290	330
Capacity of 2½" Rubber-lined Mill Hose	300 ft.	500 ft.
Capacity of 2½" Double Jacket or Rubber Hose	150 ft.	300 ft.



STYLE "O"

Hose Capacity—Dimensions—Shipping Weights—Prices

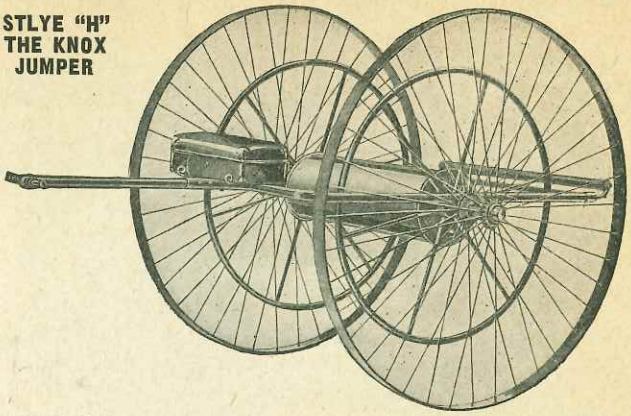
Numbers of Jumper	9½	2½
Height of Wheels, in inches	42	52
Extreme Width, in inches	48	54
Length, in inches	93	105
Weight, complete, pounds	207	280
Shipping Weight, crated, pounds	255	330
Capacity of 2½" Rubber-lined Mill Hose	300 ft.	500 ft.
Capacity of 2½" Double Jacket Fire Hose	150 ft.	300 ft.
Price	$94.00	$118.00

No. K107 ...$ 94.00

No. K108 .....118.00

LOW PRICED HOSE CART

STLYE "H" THE KNOX JUMPER



The STYLE "H" CART has been known for years as the Knox Jumper and will be found in many of the industrial concerns throughout the country. They are light in weight, easily handled, strong in construction and neat in appearance; has tubular steel frame and reel rim, other parts of steel and malleable iron; equipped with tool box and friction roller—suitable for small villages, railroads, construction camps, factories and warehouses.

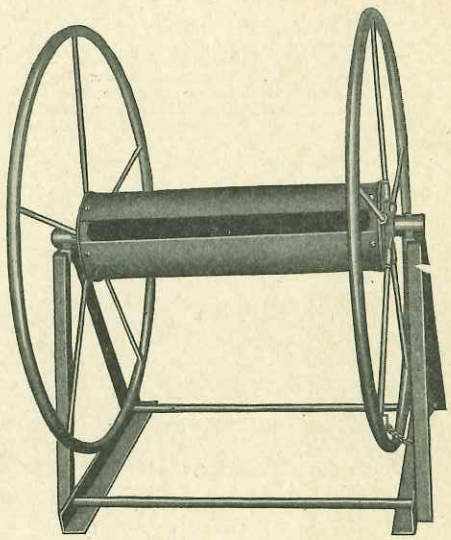
Style "G" Cart same as Style "H" but without friction roller.

Style "F" Cart same as Style "H" and "G" but without tool box and friction roller.

Series "H," "G" and "F" Carts are the same style, have same hose capacities and are made in three sizes.

Hose Capacity—Dimensions—Shipping Weights—Prices

Style	STYLE H		STYLE G		STYLE F	
Number of Jumpers	K107	K109	K104	K106	K101	K103
Height of Wheels, in inches	42	52	42	52	42	52
Extreme Width, in inches	42	54	42	54	42	54
Length, in inches	79	84	79	84	72	82
Weight, in pounds, bundled for shipping	145	210	145	210	125	185
Capacity of 1½" 4-ply Rubber Hose	250 ft.	500 ft.	250 ft.	500 ft.	250 ft.	500 ft.
Capacity of 2" 4-ply Rubber Hose	200 ft.	400 ft.	200 ft.	400 ft.	200 ft.	400 ft.
Capacity of 2½" 4-ply Rubber Hose	150 ft.	300 ft.	150 ft.	300 ft.	150 ft.	300 ft.
Capacity of 1½" Rubber-lined Mill Hose	500 ft.	800 ft.	500 ft.	800 ft.	500 ft.	800 ft.
Capacity of 2" Rubber-lined Mill Hose	350 ft.	600 ft.	350 ft.	600 ft.	350 ft.	600 ft.
Capacity of 2½" Rubber-lined Mill Hose	250 ft.	500 ft.	250 ft.	500 ft.	250 ft.	500 ft.
Price	$52.00	$76.00	$45.00	$69.00	$40.00	$64.00



WIRTS STYLE E.X. FLOOR REEL

Several sizes, designed to hold fire hose or wash deck hose on ships, docks, piers, warehouses, etc. Strongly constructed entirely of steel to stand rough usage. Other stlyes are also made for wash deck hose on ships.

The larger sized Style X Reels are used to hold the hose on ships, docks, piers, warehouses, etc., where a large quantity of hose is in use.

The smaller sizes are used for wash deck hose on boats and also fire hose. Also made for rope falls for use on ships.

Wirts Floor and Deck Reels are constructed entirely of steel, steel tubing and malleable iron. They are exceptionally well made and will stand very rough usage. The larger size reels will be found a great convenience in all Fire Department houses for storing surplus hose. Although the Style X is called a floor reel—it can also be used on the wall.

Larger sizes made to order.

Hose Capacity—Dimensions—Shipping Weights—Prices

Numbers of Reel	F298	F299	F300	F301	F302	F303
Diameter of Reel	24 in.	29 in.	32 in.	34 in	37 in.	37 in.
Width of Reel between Spokes	11½ in.	14½ in.	20 in.	20 in.	26 in.	32 in.
Shipping Weight, lbs.	57	75	93	100	125	130
Capacity 1½" Cotton Rubber-lined Mill Hose	100 ft.	250 ft.	400 ft.	500 ft.	650 ft.	800 ft.
Capacity 2" Cotton Rubber-lined Mill Hose	75 ft.	150 ft.	300 ft.	350 ft.	500 ft.	600 ft.
Capacity 2½" Cotton Rubber-lined Mill Hose	50 ft.	100 ft.	200 ft.	250 ft.	400 ft.	500 ft.
Price	$17.00	$22.70	$28.30	$34.00	$39.70	$45.30

Capacity for Double Jacket Fire Hose one-half quantity of Mill Hose

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

GENERAL REGENT HOSE RACK

Made of Pressed Steel and Malleable Iron

The Regent Hose Rack is designed to meet the requirements for an economical Fire Hose Outfit.

It is constructed of malleable iron and steel and is more than sufficiently strong to hold any of the specified lengths of linen fire hose.

The Regent Rack is Semi-Automatic in action; that is, water can be turned on before removing hose.

Can be furnished to fasten to pipe or wall.

The Regent Hose Rack like all other Products is made from the very best materials and because of its adaptibility to the present existing building conditions, its price has been low as compared with other competitive Hose Racks made of grey iron.

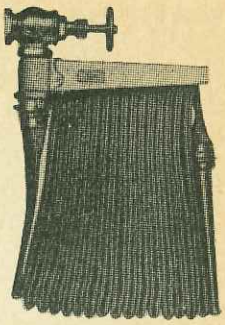
Regent Fire Hose Rack is made in sizes to carry 25 ft. to 100 ft. of Linen Fire Hose either 1¼", 1½", 2", or 2½" in diameter.

It is generally furnished in red Japanned finish on steel like Plate R with nipple attachment (swivel type) as illustrated at right. Gold or aluminum bronze finish may be had at no additional cost if mentioned on the order. White enamel finish, nickel or copper plating on steel and solid brass polished, nickel can be furnished at an additional cost.

Racks can also be obtained with wall brackets or pipe clamp attachment.

Capacity	25 to 75 feet Linen Hose			100 feet Linen Hose		
Size of Hose	1¼" or 1½"	2"	2½"	1¼" or 1½"	2"	2½"
Nos. of Rack	20X	20Y	20Z	21X	21Y	21Z
Shipping Weight	5½ lbs.	6½ lbs.	7½ lbs.	6½ lbs	7½ lbs.	8½ lbs.
No. 5—Japanned Red on Steel	$4.00	$4.00	$4.00	$4.50	$4.50	$4.50
No. 6—Gold or Aluminum Bronze on Steel	4.00	4.00	4.00	4.50	4.50	4.50
No. 7—White Enamel on Steel	5.00	5.00	5.00	5.50	5.50	5.50
No. 8—Nickel or Copper Plated on Steel	6.00	6.00	6.00	7.00	7.00	7.00

Prices are for racks with wall brackets, pipe clamp to 4" size, or with iron pipe thread nipple. See extra price for special nipples below.



Regent Rack, Plate R
(Swivel Type)

STYLE T
Wall Bracket Attachment
Notice the Hump It Saves the Hose
Approved by the Associated Factory Mutual Fire Insurance Companies

IMPROVED HUMP RACK

A Practical Hose Rack for Mills, Factories, Plants, Docks and Railroads.

The length of service of hose may be materially increased by the construction of the fixture carrying it. There are twenty-five breaks or folds in a 50-foot length of hose when placed upon a hose rack. On a straight, flat bottom, these breaks are sharp; on a bottom that is higher at the center than at the ends, the weight is taken off the ends, and these breaks become easy folds; therefore, the hose will not break at the folds when run off.

Either linen or single jacket cotton rubber-lined hose may be used on the Hump Rack, where it will be kept in good condition and ready for instant use. A very important feature of this rack is that the front end is partially enclosed. This basket formation holds the stack of hose in position when drawn off, preventing the stack from sliding out bodily and falling to the floor in a tangled mass, as is frequently the case with the old style open-end rack.

Pipe clamps furnished if wanted.

Hose Capacity—Dimensions—Shipping Weights—Prices

Racks for UNLINED LINEN HOSE

Cat. No.	Size Hose	Capacity	Price	Measurements A	B	Bet. Sides	Ship. Wts.
No. 48	1¼" or 1½"	50 ft.	$5.70	25¼"	16⅜"	2⅞"	11 lbs.
No. 49	2 " or 2½"	50 ft.	5.70	26⅝"	17⅛"	4⅜"	12 lbs.
No. 50	1¼" or 1½"	75 or 100 ft.	6.80	27 "	21⅛"	2⅞"	20 lbs.
No. 51	2 " or 2½"	75 or 100 ft.	6.80	28⅜"	21¾"	4⅜"	21 lbs.
No. 52	1¼" or 1½"	150 ft.	7.90	32⅛"	28¾"	2⅞"	30 lbs.
No. 53	2 " or 2½"	150 ft.	7.90	32⅛"	28¾"	4⅜"	30 lbs.
No. 54	1¼" or 1½"	200 ft.	8.50	38 "	40 "	2⅞"	62 lbs.
No. 55	2 " or 2½"	200 ft.	9.10	38 "	40 "	4⅜"	63 lbs.
Racks for COTTON RUBBER LINED MILL HOSE						Single	Jacket
No. 56	1¼" or 1½"	50 ft.	$7.90	32⅛"	28¾"	2⅞"	30 lbs.
No. 57	2 " or 2½"	50 ft.	7.90	32⅛"	28¾"	4⅜"	30 lbs.
No. 58	1¼" or 1½"	100 ft.	8.50	38 "	40 "	2⅞"	62 lbs.
No. 59	2 " or 2½"	100 ft.	9.10	38 "	40 "	4⅜"	63 lbs.

GENERAL SWINGING HOSE REEL

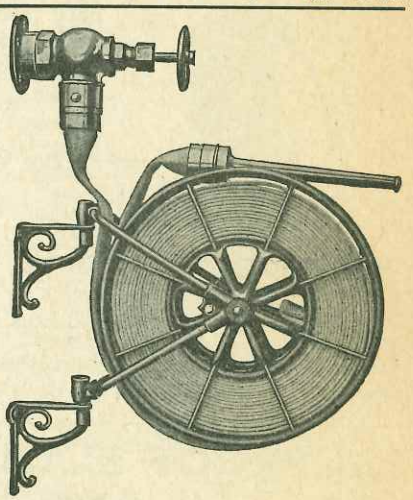
Constructed of metal throughout, handsome in design, and finished in aluminum bronze, unless otherwise ordered. Plate No. 30 is made with wall bracket, and Plate No. 31 with clamps to attach to standpipe. In ordering this latter style, size of pipe should be specified.

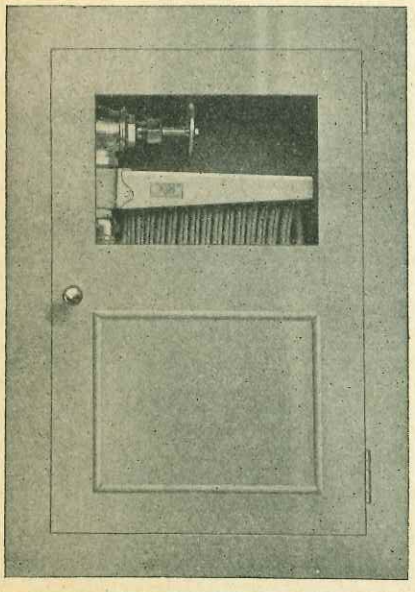
Cut shows reel as furnished in sizes 24-inch and larger; sides of pressed steel electrically welded to steel disc in center. 16-inch reel has cast iron sides.

Hose Capacity—Dimensions—Shipping Weights—Prices

Reels for UNLINED LINEN HOSE

Cat. No.	Size Hose	Capacity	Price	Measurements A	B	Bet. Sides	Ship Wts.
No. 60	1¼" or 1½"	50 ft.	$6.80	20⅛"	18¾"	3⅜"	17 lbs.
No. 61	2 " or 2½"	50 ft.	6.80	20⅜"	19 "	4⅞"	18 lbs.
No. 62	1¼" or 1½"	75 or 100 ft.	6.80	26⅜"	23 "	3⅜"	35 lbs.
No. 63	2 " or 2½"	75 or 100 ft.	6.80	26⅝"	23 "	4⅞"	41 lbs.
No. 64	1¼" or 1½"	150 ft.	6.80	31⅜"	26¼"	3⅜"	42 lbs.
No. 65	2 " or 2½"	150 ft.	7.40	31⅞"	27 "	4⅞"	44 lbs.
Reels for COTTON RUBBER LINED MILL HOSE						Single	Jacket
No. 66	1¼" or 1½"	50 ft.	$6.80	31⅜"	26¼"	3⅜"	42 lbs.
No. 67	2 " or 2½"	50 ft.	7.40	31⅞"	27 "	4⅞"	44 lbs.
No. 68	1¼" or 1½"	100 ft.	8.50	32 "	26½"	5½"	46 lbs.
No. 69	2 " or 2½"	100 ft.	9.60	35⅞"	29⅞"	9 "	48 lbs.
No. 70	2 " or 2½"	150 ft.	13.00	43⅝"	32½"	9 "	84 lbs.
No. 77	2 " or 2½"	200 ft.	17.00	47½"	36 "	9 "	95 lbs.





CABINET HOSE RACK

Hose capacity ft.	Hose and valve size, in.	Glass in.	Cabinet dimensions shown in diagram, in. A	B	C	D	E	VT	Valve opening (F), in.	Leave rough opening, in. Width	Hgt.
50	1½, 2, 2½	18x28	20¾	30¾	7½	25½	35½	3½	2, 3, 3,	21½	31½
75	1½, 2, 2½	20x30	22¾	32¾	7½	27½	37½	3½	2, 3, 3,	23½	33½
100	1½, 2, 2½	22x32	24¾	34¾	7½	29½	39½	3½	2, 3, 3,	25½	35½
125	1½, 2½	22x36	24¾	38¾	7½	29½	43½	3½	2, 3,	25½	39½

List Prices—Cabinet Only

Hose Ft.	No. 9 Double Thick Glass	No. 10 Plate Glass Panel	No. 11 Duo-Panel Door
50	$24.00	$29.00	$29.00
75	25.00	30.00	30.00
100	27.50	34.00	32.50
125	31.00	40.00	38.00

Baked enamel outside, net extra $1.00
Letters FIRE HOSE on glass, net extra ..... .50

Specify Hose Length

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

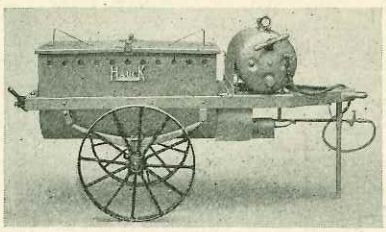
TAR AND ASPHALT MELTING KETTLES

LESS FUEL, because kerosene or coal oil is cheaper than wood—because these burners fully utilize the heat units in the fuel.

LESS TIME, because these kettles can be put in operation in five minutes—because material melts in half the time required by a wood burner.

LESS LABOR, because these kettles require very little attention after starting—because fuel handling is eliminated.

LESS DIRT. City engineers recommend these kettles because they eliminate smoke, sparks, etc.

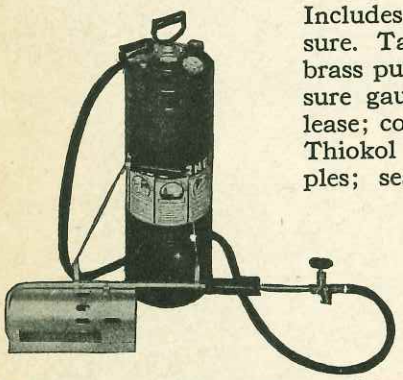


CONSTRUCTION AND OPERATION

Riveted and welded throughout . . . Semi-elliptical springs to cradle kettle and absorb shocks, jars and rebounds . . . Flame burner is designed for lasting performance, with cast iron nozzle to protect burner coil and shell from intense heat . . . Burner parts can be replaced at small expense when necessary . . . Positive heat control . . . Seamless pressed steel fuel tank, tested at 300 lbs. hydrostatic pressure . . . Rustproof in and out, pressure guage, 2″ pump, quality fittings and valves . . . Simple to operate—a few minutes' pumping produces from 40 to 50 lbs. pressure to operate burner and kettle for several hours . . . Only five minutes preheating needed.

No. K328 50-Gal. Tar and Asphalt Melting Kettle on steel wheels **$170.00**

AEROIL GIANT THAWING TORCH

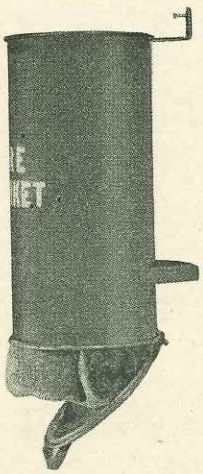


Includes 5 gal. fuel tank tested to 100 lbs. pressure. Tank equipment consists of 2″ built-in brass pump with brass check valve; 60 lb. pressure gauge; combination filler cap and air release; convenient carrying handle; 7′ of special Thiokol lined oil resisting hose with brass nipples; seamless steel removable coil kerosene torch with combination bronze needle valve and strainer; bronze plug holder; heat resisting burner plug and convenient drop handle in addition to the regular wood grip. A time and labor saver for thawing out frozen hydrants and other mechanisms. Solves many cold-weather problems with its 2,000° flame.

No. F156 Super Thawing Torch **$24.75**

FIREPROOF BLANKETS PROTECT LIVES AND PROPERTY

These new fire blankets are 100% fireproof . . . Our exclusive process of fireproofing blankets for life-saving and fire-fighting has been tried over a period of many years with remarkable results . . . Fire chiefs report 16 years of active service without loss of fireproof qualities and enthusiastically endorse these fire-proof blankets as necessary equipment . . . Every chief's car and piece of apparatus should carry at least one fireproof blanket, to assure immediate and positive protection for human life and property . . . These blankets measure 64″ by 90″ . . . Weight 6 lbs. . . . Our special low price to fire departments includes metal wall case as shown.



No. 193 Fireproof Blanket, Metal Container . **$13.50**

SALVAGE COVERS

Shuredry Waterproofed Salvage Covers have long been recognized as the standard of quality, and are the preference of fire chiefs who demand the best. Shuredry Covers are light in weight, flexible, easy to handle and spread, do not sweat, and won't leak after being folded and stored in one position on the shelf. Shuredry Salvage Covers are made with the special Shuredry waterproofed seam, which we strongly recommend for fire department work.

Shuredry Salvage Covers have been tested and approved by both the National Board of Fire Underwriters and the Factory Mutual Fire Insurance Association.

Salvage work by the fire department is the quickest and surest way to reduce fire loss. Authorities agree that only 25% of the annual fire loss results from flames, 75% being traceable to water damage. Every well-equipped fire department should have a few of these on hand. They will stand severe punishment and will last for years. Made in white and in green finish in two popular sizes.

No. 102 White Shuredry, 12′ x 14′ **$23.50**
No. 103 White Shuredry, 12′ x 18′ **27.50**
No. 105 Green Shuredry, 12′ x 14′ **22.58**
No. 106 Green Shuredry, 12′ x 18′ **29.28**

GENERAL'S SPECIAL SALVAGE COVERS

Only $8.50 Each

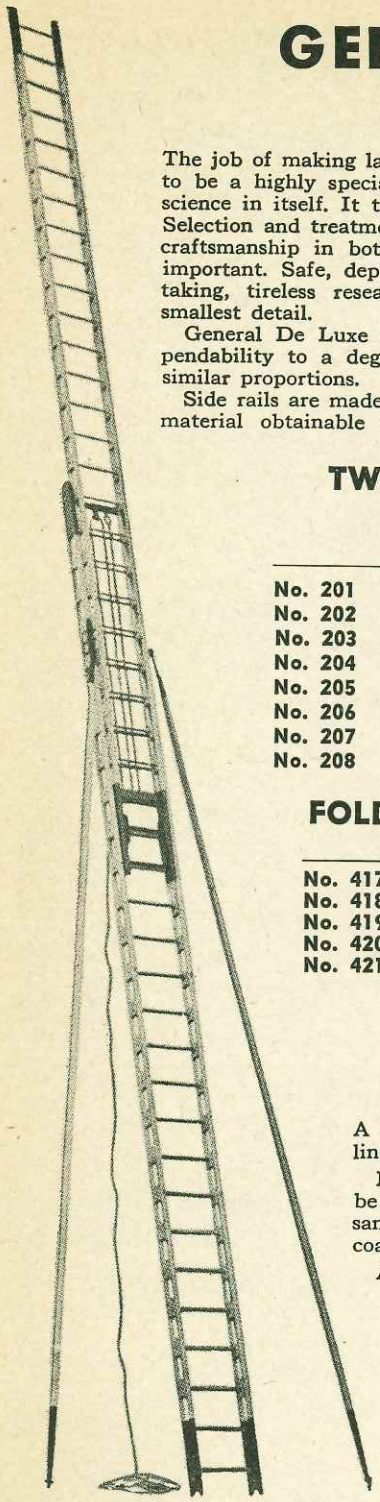
Here is a special salvage cover designed by General for smaller fire departments . . . Only the finest material is used and finished to the standard salvage cover size, 12′ x 14′ . . . All seams double-stitched . . . Double eye grippers on all covers, heavily reinforced . . . Strong ropes and grommets on 3-ft. centers . . . Standard covers are of deep, durable brown, waterproofed duck . . . In small towns and villages, the fire department can protect property from water damage by equipping with a few of these fine quality, waterproof covers . . . General Detroit Corp. offers this bargain in salvage covers as a special leader in value . . . By making up quantities for stock from one weight duck of high quality, we are able to offer real economy . . . The best known waterproof treatment is used, dark brown in color, penetrating the whole fabric—not just a surface coating . . .

No. 140 Special Salvage Cover, each . . **$8.50**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

GENERAL DE LUXE FIRE LADDERS

America's Finest Fire Fighting Ladders



The job of making ladders for fire fighting purposes has come to be a highly specialized one. Fire ladder construction is a science in itself. It takes, first of all, specialized engineering. Selection and treatment of materials and the highest order of craftsmanship in both design and production are supremely important. Safe, dependable ladders are the result of painstaking, tireless research, of minute attention to even the smallest detail.

General De Luxe ladders combine quality, value and dependability to a degree never before attained in ladders of similar proportions.

Side rails are made of straight grain Douglas Fir, the finest material obtainable for this purpose. Rungs are made of selected second growth hickory, the strongest wood in the world. Automatic steel locks are scientifically designed for extension ladder use. All ladders are carefully finished—wood preservation base coat with the best spar varnish top finish, black enamel ends. All extension ladders are equipped with triple rope hoists. Long extension ladders are furnished with stay poles.

General De Luxe ladders are fully guaranteed. We are confident you will join the hundreds of fire departments now partially or wholly equipped with these quality ladders. Prove that you recognize the importance of safety by specifying ladders built by ladder specialists in a modern ladder manufacturing plant.

TWO-SECTION EXTENSION LADDERS

	Length	Solid Side Without Stay Poles	Solid Side With Stay Poles	Trussed Without Stay Poles	Trussed With Stay Poles
No. 201	24 Ft.	$ 52.00		$102.00	
No. 202	26 Ft.	58.00		108.00	
No. 203	28 Ft.	62.00		113.00	
No. 204	30 Ft.	72.00		130.00	
No. 205	35 Ft.	83.00	$102.00	143.00	$165.00
No. 206	40 Ft.	97.00	116.00	159.00	185.00
No. 207	45 Ft.	108.00	132.00	174.00	204.00
No. 208	50 Ft.	124.00	148.00	190.00	226.00

WALL LADDERS

	Length	Solid Side	Trussed
No. 311	12 Ft.	$22.00	$ 40.00
No. 312	14 Ft.	25.00	44.00
No. 313	16 Ft.	27.00	51.00
No. 314	18 Ft.	29.00	61.00
No. 315	20 Ft.	33.00	69.00
No. 316	22 Ft.	37.50	74.00
No. 317	24 Ft.	47.00	80.00
No. 318	25 Ft.	50.00	84.00
No. 319	28 Ft.	62.00	93.00
No. 320	30 Ft.	66.00	99.00
No. 321	35 Ft.	77.00	116.00

FOLDING LADDERS

	Length	
No. 417	10 Ft.	$29.00
No. 418	12 Ft.	31.00
No. 419	14 Ft.	33.00
No. 420	16 Ft.	35.00
No. 421	18 Ft.	37.00

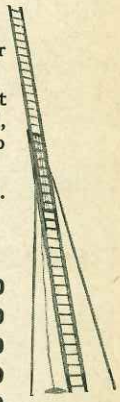
ROOF LADDERS

No.	Length	Solid Side	Trussed
No. F311	12 Ft.	$29.00	$49.00
No. F312	14 Ft.	32.00	53.00
No. F313	16 Ft.	36.00	59.00
No. F314	18 Ft.	38.00	70.00
No. F315	20 Ft.	42.00	77.00
No. F316	22 Ft.	48.00	83.00

POMPIER LADDERS

	Length	
No. 507	12 Ft.	$60.00
No. 508	14 Ft.	65.00
No. 509	16 Ft.	70.00

GENERAL SPECIAL SOLID SIDE FIRE LADDERS
A Quality Ladder at an Unusually Low Price



A large number of fire departments use solid side ladders almost exclusively. We offer here our line of Fire Department solid side ladders, both extension and roof types.

For real quality at low, money-saving prices, we firmly believe these new General ladders can't be beat. We use only carefully selected ladder stock, cadmium-plated hardware and straight-grained, sanded hickory rungs. Each ladder is carefully sanded, varnished, rubbed down and then a top coat of superior spar varnish applied.

All General special solid side ladders, of course, carry the same guarantee as our De Luxe ladders.

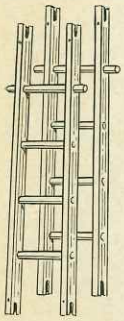
EXTENSION LADDERS

No. 641	24 Ft. Extended	$32.16
No. 642	26 Ft. Extended	34.84
No. 643	28 Ft. Extended	37.52
No. 644	30 Ft. Extended	40.20
No. 645	32 Ft. Extended	42.88
No. 646	34 Ft. Extended	45.56
No. 647	36 Ft. Extended	48.24

ROOF LADDERS

No. 701	12 Ft. Long	$14.40
No. 702	14 Ft. Long	16.80
No. 703	16 Ft. Long	19.20
No. 704	18 Ft. Long	21.60
No. 705	20 Ft. Long	24.00

Listed here are General's most popular Ladders. We can supply any size or type—just let us know your requirements.



THE WORLD'S GREATEST UTILITY LADDER

Two 5-foot sections ONLY $3.95

Hundreds of customers have declared that they simply could not get along without at least several of these well constructed ladders.

This Utility ladder consists of two sturdy five-foot sections, twelve inches wide, at a price less than ordinarily charged for only one section.

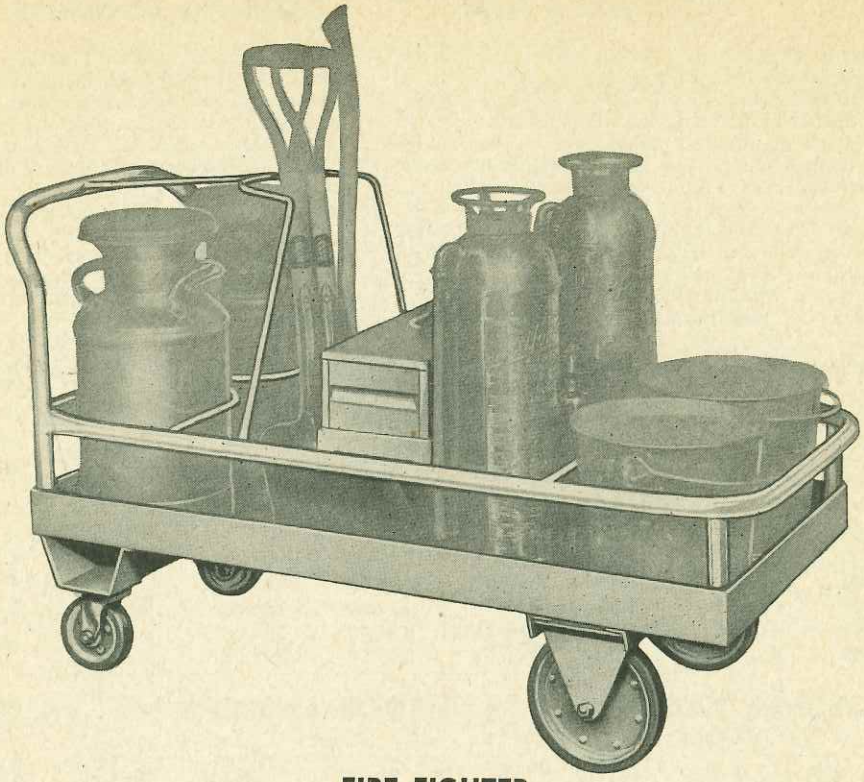
Extra five-foot sections, $2.49 each.

For roofs, attics, window cleaning, and general emergency use in plant, office, or yard, you cannot beat this value!

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

MOBILE FIRE FIGHTER

Specially Adapted for Schools Factories Hotels Theatres Hospitals Offices Lobbies Apartments Churches Ball Rooms Clubs Estates, etc.



SPECIFICATIONS:

Width 25″ O. A.
Length 54″ O. A.
Height 26″ O. A.
Weight 40 lbs. Bare

DeLUXE FINISH

Fire Red Lacquer
No. 1100 **$49.50**
(*Price for cart only*)

FIRE FIGHTER

WILL CARRY—(1) Chemical Extinguisher (Wall type)—(1) Chemical Extinguisher (Hand type)—(1) Water Tank (Pump Operated)—(1) Stirrup Pump—(2) Sand Pails—(1) Water Pail—(1) Fire Axe—(1) Fire Hook—(1) Flat Long Handled Shovel—(1) Flashlight—(1) Electric Lantern Heavy Duty—(2) Oil Lanterns—Asbestos Gloves—Face Guard—Goggles—(50) Feet Rope—(1) Trouble Lamp (Electric)—Hammer—Stilson Wrench—Wire Cutter—Wrecking Hook—Etc.; Light—Sturdy—Easy to Handle.

BAD NEWS FOR THE SABOTEUR!
THE TAM-PRUF EXTINGUISHER CABINET

Seals on fire extinguishers may be counterfeited—contents of the fire extinguisher may be "doctored" or hoses may be plugged—even though your fire marshal's men may be checking them every day!

BUT—YOUR EXTINGUISHER IS SAFE IN A "TAM-PRUF" BOX!
OUTSTANDING FEATURES

1. *Seamless construction:* Specially grooved and fitted ply material with no nails or screws exposed.
2. Extinguisher visible at all times for inspection through glass windows in side of box.
3. No glass to break by hand or instrument.
4. No flying glass to cut hands or face.
5. Padlocked to prevent tampering.
6. Hand pressure on Breaker-arm compresses hammers against surface of lock seal seal, breaking same and door springs open, revealing extinguisher ready for use. Broken seal drops into container, easily removed and replaced.
7. Keeps extinguisher in good condition, protects against weather and atmospheric conditions, free from grease, dirt and grime. Reduces corrosion, gives longer service and reduces upkeep and repair.

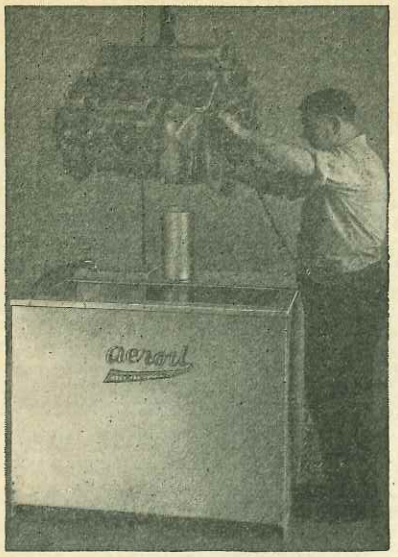
WE SHALL BE GLAD TO QUOTE ON TAM-PRUF BOXES FOR OTHER SIZES OF FIRE EXTINGUISHER.

TAM-PRUF box for 1-quart extinguisher. Price includes substantially constructed metal lock and key (lots of 50) ONLY **$8.57**

FIRE EXTINGUISHER "INSPECTION" LABOR EXPENSE ALONE WILL JUSTIFY YOUR PURCHASING TAM-PRUFS FOR YOUR PLANT. ELIMINATE SABOTAGE WORRY BY ORDERING TODAY!

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

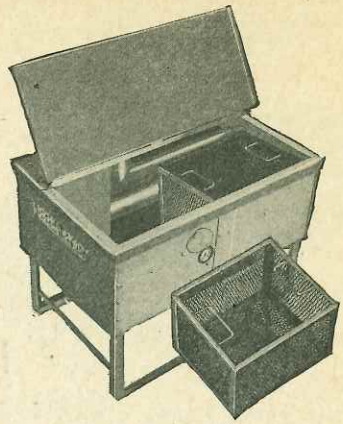
HOT DIP TANKS—FOR BLACKENING—DEGREASING—RUSTPROOFING, ETC.



TANK TYPE "A"

For preheating rinse, rustproofing and ordinary dipping processes (also used for degreasing and cleaning).
Equipment on tank includes scum gutter, draw-off cock or drain and thermometer. Unless EXACT temperatures are desired, this tank is usually manually controlled.

No. 800	30 gal.	"A"	L.P.G.	**$130.00**
No. 801	30 gal.	"A"	City Gas	**$125.00**
No. 802	60 gal.	"A"	L.P.G.	**$150.00**
No. 803	60 gal.	"A"	City Gas	**$145.00**



TANK TYPE "B"

The actual processing tank.

No draw-off cock, no scum gutter. Equipped with thermometer and hole in cover for addition of liquid to make up for vaporization. Processing materials usually must be heated to EXACT temperatures with a very small variable range, thus this tank should be equipped with the Automatic Electric Gas Valve and Thermostatic Control.

No. 804	30 gal.	"B"	L.P.G.	**$125.00**
No 805	30 gal.	"B"	City Gas	**$120.00**
No. 806	60 gal.	"B"	L.P.G.	**$145.00**
No. 807	60 gal.	"B"	City Gas	**$140.00**

AUTOMATIC ELECTRICALLY CONTROLLED GAS VALVE, **$20.00**

FOR CITY GAS OR LIQUEFIED PETROLEUM

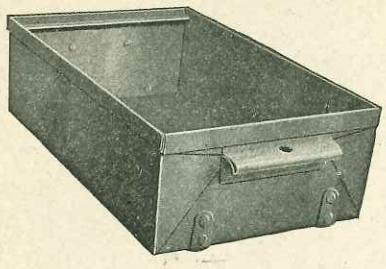
TANK NO.	30T	31T
AVERAGE DIPPING CAPACITY	30 Gals.	60 Gals.
Maximum Dipping Capacity	35 Gals.	66 Gals.
Full Liquid Capacity (without tubes)	56 Gals.	100 Gals.
DIPPING SPACE Length	36″	42″
Width	15″	18″
Depth	15″	19″
Inside Dimensions (without tubes)		
Length	36″	42″
Width	23″	29″
Depth	15½″	20″
Overall Dimensions Length	39″	46″
Use for floor space Width	26″	33″
Loading Height (to rim)	30″	30″
STEEL THICKNESS, Tank Shell	16 Gauge	16 Gauge
HEATING SPECIFICATIONS		
(Based on tank contents at 300°F)		
Average Heating Time from cold start	1½ hrs.	1½ hrs.
Average Temperature Drop per hour, when tank is not fired	8° F.	8° F.

TANK NO.	30T	31T
FUEL CONSUMPTON SPECIFICATIONS		
Heating tank from cold start Cu. Ft. Per Hour:		
MANUFACTURED GAS	130	200
NATURAL GAS	68	106
LIQUEFIED PETROLEUM GAS	28	43
Average fuel consumption to maintain heat in liquid for eight hour day including 50% temperature rise each morning. (Cubic Feet):		
MANUFACTURED GAS	330	830
NATURAL GAS	170	270
LIQUEFIED PETROLEUM GAS	70	120
DIPPING BASKETS (2 furnished with each tank):		
Length	17″	20″
Width	14″	17″
Depth	12″	16″
APPROXIMATE WEIGHTS		
Net, Tank, Burner and Baskets	250 lbs.	380 lbs.
Shipping Weight Complete	290 lbs.	430 lbs.

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

SHOP BOXES

STYLE "H"



Built for heavy loads from 75 to 125 lbs., and for hard, rough usage. Corners formed to give extra reinforcement. Tapered for efficient stacking. Fitted with shallow "V"-shaped runners that support bottom of box and reduce friction on gravity conveyor.

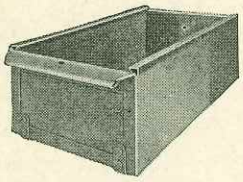
Standard Gauges and Sizes

Number	Gauge	Width (Top)	Length (Top)	*Height	Price Each
421F14	18	12″	18″	6″	**$1.60**
421F15	18	12″	21″	6″	**1.75**

*Overall height including runners.

Other sizes may be secured if ordered in production quantities.

STYLE "R"



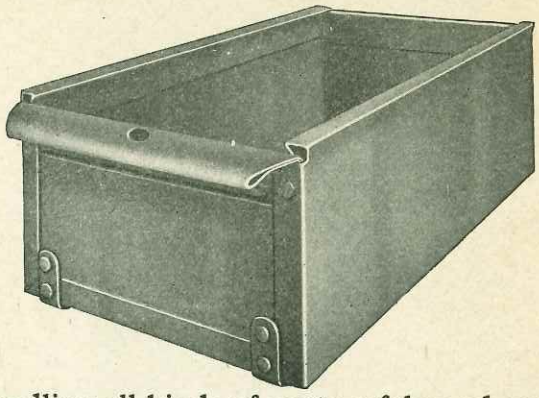
Box is particularly rigid when stacked because the inside rail extends around all four sides. Three-piece construction. Corners are reinforced by forming over a corner band reinforcement spot welded and riveted in place. Cannot be fitted with runners.

Standard Gauges and Sizes

Number	Gauge	Width	Length	Height	Price Each
440F11	16	10″	20″	8″	**$1.40**

Other sizes may be secured if ordered in production quantities.

NESTING PANS



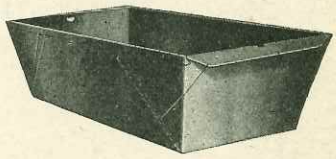
For handling all kinds of parts safely and economically. Pans occupy little space when not in use. The "L" Pan is made complete from a single sheet of steel. Portions cut out and thrown away in making the average pan are folded into extra reinforcements to strengthen this exclusive Lyon product on the corners. Folds extend down the corners and, in addition to being welded, are clamped tightly under the hem. Four thicknesses of steel where hem overlaps corner braces.

Standard Gauges and Sizes

Number	Gauge	Width (Top)	Length (Top)	Height	Price Each
410F16	16	11″	22″	6″	**$0.95**
411F18	18	11″	22″	6″	**.88**

Available in this one size only.

STYLE "O"



Any Style "O" Box in a stack may be partially slid out for loading or unloading. Runners of upper box fit between sturdy tubular side rails of box below. Built-in handles. A box that withstands hard use. Illustration shows Style "O" Boxes in staggered formation so material in bottom boxes may be removed without disturbing upper boxes.

Standard Gauges and Sizes

Number	Gauge	Width	Length	*Height	Price Each
425F11	18	$11\frac{13}{16}$″	22″	$7\frac{5}{8}$″	**$1.75**
425F12	18	$11\frac{13}{16}$″	$15\frac{1}{2}$″	$4\frac{3}{4}$″	**1.40**

*Overall height.

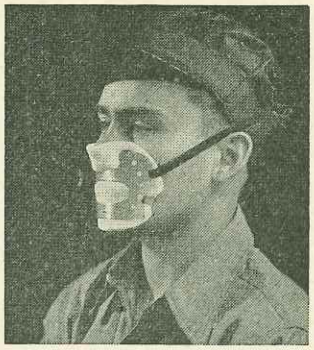
Other sizes may be secured if ordered in production quantities.

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

More than 11,000 companies protect their workers with the "FEATHERWEIGHT" MASK

Following are some of the dusts in which FEATHERWEIGHTS are used, listed in the order of their frequency:

Textile
Grain
Wood
Chemicals
Foundry
Cement
Pollens
House dusts
Dry colors
Lime
Coal
Drugs
Carbon
Rubber
Cleaning powders
Insect powders
Soap



Fur and feathers
Glass
Rust
Paper
Spices
Tobacco
Mica
Fertilizer
Ash and cinder
Chorcoal
Bristles
Old Paint
Salt
Aluminum
Zinc
Gold

FEATHERWEIGHTS do not offer protection against vapors or gases, and are not recommended for protection against toxic dusts such as lead, arsenic, chromium, manganese, etc., or against such dusts as FREE silica and asbestos unless the concentration is relatively low or the time of exposure relatively short.

WEIGH LESS THAN ¾ OUNCE! FEATHERWEIGHTS are made of soft rolled aluminum, zinc, or of plastic so pliable that it fits closely over the nose and mouth. So light and comfortable is FEATHERWEIGHT that workers will wear it without objection, although refusing to use the heavier, more cumbersome types.

FEATHERWEIGHT MASKS

No. 550 5 to 11 ..... **$0.50** each
No. 551 12 or more ..... **.40** each

REFILLS

(Packed in cellophane envelopes containing 25)

		100 to 175 (Each)	200 or More (Each)
No. 552	No. 1 Refills (Standard) are generally used	**$0.02½**	**$0.02**
No. 553	No. 2 Refills (heavy weight) 50% heavier	**.02¾**	**.02½**

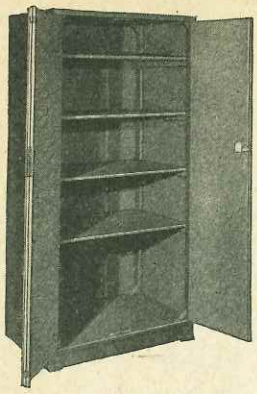
STANDARD CARTONS

No. 554 6 Masks and 150 No. 1 Refills **$5.40**
No. 555 6 Masks and 150 No. 2 Refills **6.15**
No. 552 200 No. 1 Refills **4.00**
No. 553 200 No. 2 Refills **5.00**

Allow us to quote special prices on large quantities of Featherweight Masks.

SEE PAGE 42–GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

STORAGE AND WARDROBE CABINETS



Storage Type—Handsome cabinet with smooth outside surfaces and trim design. Equipped with four full-width shelves, adjustable on 6″ centers. Lyon Green Finish.

36″ wide by 18″ deep by 72″ high.
K.D. estimated ship. wt. 157.0.
S.U. estimated ship. wt. 182.0.

36″ wide by 24″ deep by 72″ high.
K.D. estimated ship. wt. 179.0.
S.U. estimated ship. wt. 210.0.

For details and prices, fill out reply card.

No. F164 Five-shelf Cabinet, 18″ deep **$47.20**

No. F165 Five-shelf Cabinet, 24″ deep **52.10**

Combination Type—This convenient cabinet has a full-width shelf and a center partition panel. Left half of cabinet has a coat rod with space for four to seven coats. The four half shelves are adjustable.

36″ wide by 18″ deep by 72″ high.
K.D. estimated ship. wt. 157.0.
S.U. estimated ship. wt. 182.0.

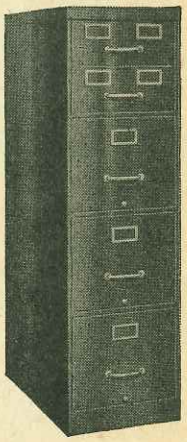
36″ wide by 24″ deep by 72″ high.
K.D. estimated ship. wt. 179.0.
S.U. estimated ship. wt. 210.0.

Shipped knocked down $2.00 less.

No. F166 Combination Type, 18″ deep **48.55**

No. F167 Combination Type, 24″ deep **53.95**

4 DRAWER LETTER FILES



A quality line of serviceable letter files of wood construction. Drawers operate on four rollers and each drawer opening is reinforced. Polished brass hardware. Made in four drawer construction, letter size or legal size. Also made in the combination style with three drawers for letters and two smaller drawers at the top for cards.

These files are built in the popular 25-in. outside depth. Drawers are equipped with adjustable trigger type followers, rods, brushed bronze handle and bronze label holder. Sturdily constructed with strong frame and heavy throughout. Front edge of top is flush with case.

Beautifully finished in soft tone olive green. Grained wood finishes in walnut or mahogany can be supplied at moderate extra cost. All files shipped set up.

No. 811 Four Drawer File, letter size **$42.50**

No. 812 Four Drawer File, legal size **47.50**

No. 813 Combination Unit with three drawers for letters and two drawers for cards, complete **$45.00**

Above Prices are for Green; Walnut or Mahogany, $5.50 extra

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

WOOD SHOPROBES

Wood Shoprobes are portable and require minimum floor space. They are especially suited to industries where personnel fluctuates and low storage cost is a prime requirement.

Each person has a private, locked compartment at convenient height and full length storage facilities for coats. Perforations provide for circulation and permit inspection of locked compartments.

Shoprobes are finished in Lyon green enamel. Compartment section is shipped set up, with standards, base, coat rod and hangers detached.

Hangers are steel and cannot fall off. (We reserve the right to furnish alternate hangers made of wood with steel coat rod loop.)

The garment cord, consisting of a pliable plastic tubing with wire inlay, is attached to the hanger loop before the hanger is slipped onto the coat rod. The cord runs through the sleeve of the coat and the loose end is padlocked to the compartment door—securing both coat and contents of locker. Garment cords are extra and must be speciled when ordering.

Patent No. 2-202-427

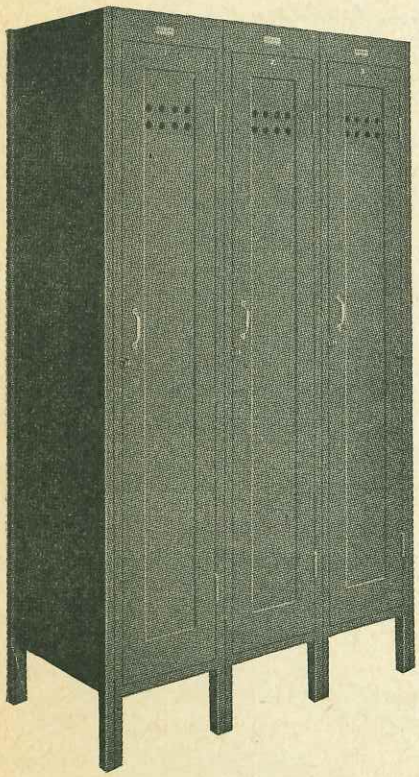
(Above) **No. F161** SHOPROBE, single face, (10-person), 54½" wide by 18" deep by 75⅞" high. Estimated ship. wt. 225.0. ..... **$51.60**

No. F162 SHOPROBE, double face, (20-person), 54½" wide by 36" deep by 75⅞" high. Estimated ship. wt. 415.0 ..... **$90.70**

No. F163 GARMENT CORDS (not illustrated). Estimated shipping weight 2.0.... **60c** ea.

GENERAL'S NEW SUCCESSFUL SUBSTITUTE FOR STEEL LOCKERS

A WONDERFUL VALUE • WOOD CONSTRUCTION



TAKES THE PLACE OF STEEL

Rot Proof!
Termite Proof!
Odor Repellent!
Fire Resistant!
Impervious to Salt Water and Bad Weather!

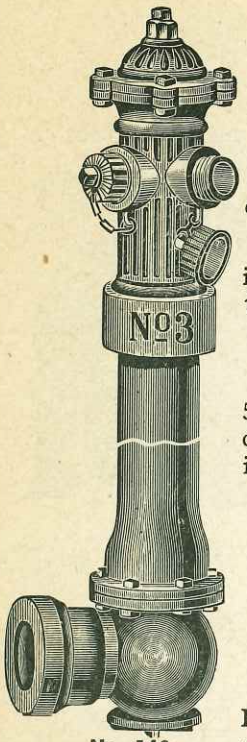
Made in Tiers of 2, 3, 4, or 6

No. 172 Lockers, 12x12x60, each	**$10.80**
No. 173 Lockers, 12x15x60, each	**11.28**
No. 174 Lockers, 12x18x60, each	**11.90**
No. 175 Lockers, 15x15x60, each	**12.28**
No. 176 Lockers, 15x18x60, each	**13.20**
No. 177 Lockers, 18x18x60, each	**14.56**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO_2 FIRE EXTINGUISHER!

GENERAL FIRE HYDRANT

Non-Freezing



No. 160

Positive Automatic Drain—Closes Against the Pressure.

(Note how few simple interior operating parts constitute construction.)

Replacement of interior parts may be made without disturbing any connections. Simply unbolt the top cap and withdraw the inside working parts.

Approximate Weight

5-foot bury, 4-inch inlet, 2 nozzles, 325 pounds complete. Circulate 25 pounds per foot of bury plus or minus. For 6-inch inlet or steamer nozzle, add 10 pounds.

DESCRIPTION AND INTERNAL VIEW
(See Page No. 22)

Diameter of Valve Opening, 4 inches.

Diameter of Stand Pipe, 5 inches.

No. 3—SIZES AND LIST PRICES

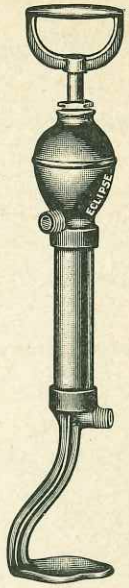
Prices include regular operating wrench. For Spanner Wrenches, see Parts No. 498 to 499.

Diameter of Pipe Connection	Pavement to Center of Inlet	One 2½-in. Hose Nozzle	Two 2½-in. Hose Nozzles	Three 2½-in. Hose Nozzles	One Steamer Nozzle	One Steamer and one 2½-in. Nozzle	One Steamer and two 2½-in. Nozzles	Frost Case for 5-foot Hydrant	For Each Foot Plus or Minus	
									Stand Pipe	Frost Case
3-in.	5 ft.	**72.00**	**77.00**	**81.40**	**72.00**	**83.60**	**88.00**	**22.00**	**3.30**	**2.20**
4-in.	5 ft.	**72.00**	**77.00**	**81.40**	**72.00**	**83.60**	**88.00**	**22.00**	**3.30**	**2.20**
5-in.	5 ft.	**74.80**	**79.20**	**76.00**	**74.00**	**85.80**	**90.40**	**22.00**	**3.30**	**2.20**
6-in.	5 ft.	**74.80**	**79.20**	**76.00**	**74.00**	**85.80**	**90.40**	**22.00**	**3.00**	**2.20**

If Hydrant Nozzles are to be equipped to take Jones or Fehy Couplings, add **4.40** for each Nozzle.
If Flanged (Faced and Drilled), Universal and Wood Pipe Inlet, add **2.75.**

1½-foot list applies on any shorter length.

GENERAL HYDRANT PUMP



Made entirely of Brass.

Cylinder of extra heavy Brass Tubing.

Suction and Discharge Connections for ¾" Hose

Although we term this a Hydrant Pump same can be used for many other similar purposes where small volumes of water are to be removed.

Weight 14 lbs. No. 161—**$25.00**

Nos. 475-477

Nos. 500-501-503

Nos. 580-581-583

Nos. 490-491

Cast Iron Extension Pieces
(Complete with Gaskets and Bolts)

No. 475—To refit No. 2 Hydrant (6 in. long). Each....$11.00
For each additional 6 in., add $1.50 to cost.
No. 477—To refit No. 3 Hydrant (6 in. long). Each.. 22.00
For each additional 6 in., add $1.95 to cost.
Specify length desired, from 6 in. on. (Operating rod must also be lengthened.)

Nos. 480-481

Iron Stock with Brass Nozzle and Iron Cap
(With Gaskets and Bolts)

No. 480—For No. 2 Fire Hydrant, 4-ft. bury with 1 2-in. Nozzle. Each.....$22.00
Add or deduct from cost, $1.00 per ft. of bury.
For two 2-in. Nozzles, add $4.00 to cost.
For one 2-1/2-in. Nozzle, add $1.75 to cost.
For two 2-1/2-in. Nozzles, add $7.50 to cost.
No. 481—For No. 3 Fire Hydrant, 5-ft. bury, with 1 2-1/2-in. Nozzle. Each..... 46.20
With 2 2-1/2-in. Nozzles. Each..... 50.60
For each Nozzle and Cap not required, deduct their respective prices.

Cast Iron Top Stock (Complete with Gaskets and Bolts)

No. 486—For No. 1-1/4-in. and 1-1/2-in. No. 2A Fire Hydrant. Each.....$4.15
No. 487—For No. 2 Fire Hydrant. Each..... 6.00
If Bolts are not desired, deduct 24c from cost.

Fire Hydrant Handle

No. 490—For 1-1/4-in. No. 2A Hydrant.....$0.70
No. 491—For 1-1/2-in. No. 2A Hydrant..... .70

Fire Hydrant Wrench

No. 492—For No. 2 Hydrant.....$1.10
No. 493—For No. 3 Hydrant..... 1.10

Nos. 486-487

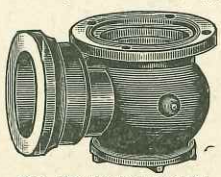
Nos. 492-493

Nos. 510-511-513

Nos. 540-541-543

Nos. 599-604

Nos. 560-561-563


Nos. 569-570-571-573-575

Replacement Parts for Nos. 2A, 2, 3, Eclipse Fire Hydrants

Bronze Top Screw

No. 500—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$3.00
No. 501—To refit No. 2 Fire Hydrant. Each..... 3.85
No. 503—To refit No. 3 Fire Hydrant. Each..... 6.00

Operating Rod

Always specify depth of bury of hydrant from pavement line to center of inlet.
No. 505A—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant, 5-ft. bury. Each.....$1.10
No. 505B—To refit No. 2 Fire Hydrant, 5-ft. bury. Each..... 1.10
Add or deduct 8c per ft. from above costs for differences in length.
No. 507—To refit No. 3 Fire Hydrant, 5-ft. bury. Each 2.40
Add or deduct 16c per ft. from above costs for differences in length.

Bronze Top Connection Nut

No. 510—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$3.00
No. 511—To refit No. 2 Fire Hydrant. Each..... 3.85
No. 513—To refit No. 3 Fire Hydrant. Each..... 6.00

Bronze Seat Ring

No. 520—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$2.75
No. 521—To refit No. 2 Fire Hydrant. Each..... 3.85
No. 523—To refit No. 3 Fire Hydrant. Each..... 5.00

Plunger Complete

No. 530—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$6.00
No. 531—To refit No. 2 Fire Hydrant. Each..... 7.70
No. 533—To refit No. 3 Fire Hydrant. Each..... 9.90

Rubber Seat Washer for Plunger

No. 540—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$0.50
No. 541—To refit No. 2 Fire Hydrant. Each..... .55
No. 543—To refit No. 3 Fire Hydrant. Each..... 1.85

Plunger Cup Washer (Two to Plunger)

No. 560—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$0.09
No. 561—To refit No. 2 Fire Hydrant. Each..... .06
No. 563—To refit No. 3 Fire Hydrant. Each..... .12

Iron Bottom
(Complete with Gasket, Bolts and Bronze Waste Tube)

No. 569—To fit 1-1/4-in. Pipe (No. 2A Hydrant). Each.....$10.45
No. 570—To fit 1-1/2-in. Pipe (No. 2A Hydrant). Each.....$10.45
No. 571—To fit 2-in. Pipe (No. 2 Hydrant). Each..... 12.50
No. 573—To fit 4-in. Pipe (No. 3 Hydrant). Each..... 18.70
No. 575—To fit 6-in. Pipe (No. 3 Hydrant). Each..... 20.90
For Standard Flanged Inlet Connection, Faced and Drilled, add $2.50 to cost.
For Companion Flange, add $4.00 to cost.
Specify Style of Inlet when ordering.

Iron Top Cap (Complete with Gasket and Bolts)

No. 580—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$2.35
No. 581—To refit No. 2 Fire Hydrant. Each..... 2.35
No. 583—To refit No. 3 Fire Hydrant. Each..... 4.00

Iron Nozzle Cap
(Complete with Chain and Gasket) (Threaded to Order)

No. 589—To fit 1-1/4-in. Nozzle. Each.....$0.90
No. 590—To fit 1-1/2-in. Nozzle. Each..... 1.10
No. 591—To fit 2-in. Nozzle. Each..... 1.10
No. 592—To fit 2-1/2-in. Nozzle. Each..... 2.20
No. 594—To fit 4-1/2-in. Nozzle. Each..... 3.30

Bronze Nozzle for No. 2A and No. 2 Fire Hydrants
(Threaded to Order)

No. 599—To fit 1-1/4-in. Coupling. Each.....$2.20
No. 600—To fit 1-1/2-in. Coupling. Each..... 2.20
No. 601—To fit 2-in. Coupling. Each..... 2.50
No. 601A—To fit 2-1/2-in. Coupling. Each..... 2.75
Furnish Sample of Hose Thread.

Bronze Nozzle for No. 3 Fire Hydrant
(Threaded to Order)

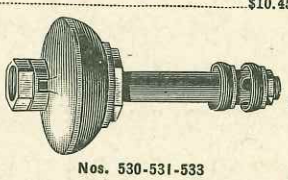
No. 602—To fit 2-1/2-in. Coupling. Each.....$ 3.30
No. 603—To fit 3-1/2-in. Coupling. Each..... 12.00
No. 604—To fit 4-1/2-in. Coupling. Each..... 12.00

Bronze Waste Tube (With Leather Gasket)

No. 610—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$2.50
No. 611—To refit No. 2 Fire Hydrant. Each..... 2.50
No. 614—To refit No. 3 Fire Hydrant. Each..... 3.00

Bronze Top Bushing

No. 620—To refit 1-1/4 or 1-1/2-in. No. 2A Fire Hydrant. Each.....$2.00
No. 621—To refit No. 2 Fire Hydrant. Each..... 2.00
No. 624—To refit No. 3 Fire Hydrant. Each..... 2.50


Nos. 530-531-533

Nos. 610-611-614

Nos. 620-621-624

Nos. 505A-505B-507
Nos. 520-521-523

Nos. 589-592-594

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

HANDY SUCTION PUMPS

Especially suited for lifting muddy water from holes while leaks are being repaired and for quickly drying trenches, or excavations, manholes, valve boxes, etc., after rains or storms. Strong, extra heavy, spiral riveted, as illustrated, with single clapper valve and leather plunger. They lift a lot of water at every stroke and eaves trough or gutter pipe can be hung on the spout to carry off the discharge if desired.

Length Measured Over All

No. K361	3-inch diameter by 6 feet	**$ 9.00**
No. K362	3-inch diameter by 7 feet	**10.50**
No. K363	4-inch diameter by 6 feet	**11.40**
No. K364	4-inch diameter by 7 feet	**13.30**

Suction Hose for Diaphragm Pumps

2½ In.	**No. K375** Length 10 ft.	**$14.25**
	No. K376 Length 15 ft.	**19.75**
3 In.	**No. K377** Length 10 ft.	**18.54**
	No. K378 Length 12 ft.	**20.77**
	No. K379 Length 15 ft.	**24.12**

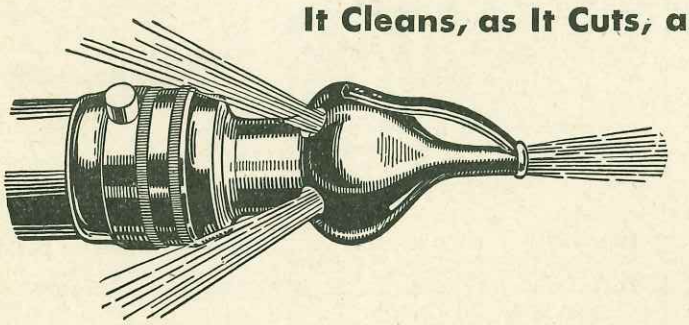
FLOATING TYPE BELT

Made of extra good leather, four rows of sewing with solid copper rivet reinforcement. Not too heavy in weight.

No. 465 ..... **$8.25 ea.**

SELF PROPELLING ROOT CUTTER AND SEWER CLEANER

It Cleans, as It Cuts, as It Creeps

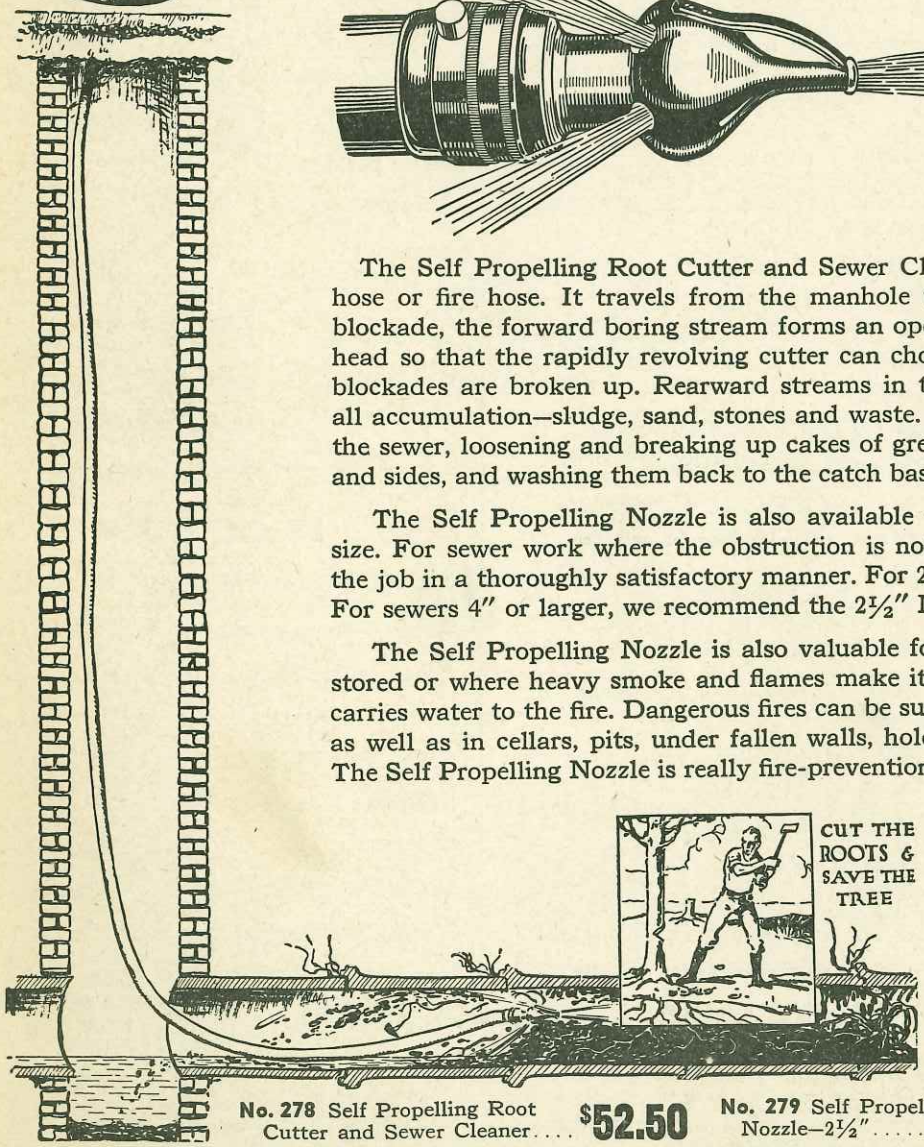


The finest tool on the market for removing obstructions from sewer pipes. Saves unnecessary expense of tearing up streets. A real time and money saver. It would take an experienced crew of men days to accomplish what the Self Propelling Root Cutter can do in a few minutes.

The Self Propelling Root Cutter and Sewer Cleaner attaches to your regular sewer flushing hose or fire hose. It travels from the manhole to the stoppage under its own power. At the blockade, the forward boring stream forms an opening which permits the entrance of the nozzle head so that the rapidly revolving cutter can chop and chop until the sticks, matted mass and blockades are broken up. Rearward streams in the meantime thoroughly cleanse the sewer of all accumulation—sludge, sand, stones and waste. The whirling rush of water scrubs the sides of the sewer, loosening and breaking up cakes of grease, etc., which may be lodged against the top and sides, and washing them back to the catch basin.

The Self Propelling Nozzle is also available without the blade in both the 2½" and 1½" size. For sewer work where the obstruction is not so severe, the Self Propelling Nozzle will do the job in a thoroughly satisfactory manner. For 2½" to 4" size, we recommend the 1½" Nozzle. For sewers 4" or larger, we recommend the 2½" Nozzle either with or without the blade.

The Self Propelling Nozzle is also valuable for fire fighting, especially where explosives are stored or where heavy smoke and flames make it impossible for men to enter. It automatically carries water to the fire. Dangerous fires can be successfully fought from the outside of buildings, as well as in cellars, pits, under fallen walls, holes and other obstructed or inaccessible places. The Self Propelling Nozzle is really fire-prevention insurance.



When ordering either the Self Propelling Root Cutter or the Self Propelling Nozzle, be sure to send a sample 2½" coupling or furnish us with your 2½" thread specifications. The 1½" Self Propelling Nozzle is made only with 1½" Iron Pipe Thread.

No. 278 Self Propelling Root Cutter and Sewer Cleaner.... **$52.50**

No. 279 Self Propelling Nozzle—2½" **$40.00**

No. 280 Self Propelling Nozzle—1½" **$25.00**

SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

SIGN WORDINGS

DANGER

No. 1200 7 x 10, Each **$1.05**
No. 1201 10 x 14, Each **1.60**
No. 1202 14 x 20, Each **2.50**
No. 1203 20 x 28, Each **5.60**

Current On
Do Not Close Valve
Do Not Open Valve
Do Not Operate—Man Working on Repairs
Do Not Stand Here
Do Not Start Engine
Do Not Start Motor
Don't Touch
Hands Off
Explosives—Keep Away
High Voltage
Keep Away
Live Wire
Watch Your Step

Submit other wordings for quotation

CAUTION

No. 1205 7 x 10, Each **$1.05**
No. 1206 10 x 14, Each **1.60**

Capacity 2000 lbs.—Watch Your Weight
Do Not Exceed Floor Limit, 150 lbs. per Square Foot
Do Not Run Motors with Garage Doors Closed
Do Not Walk on Conveyors
Don't Clean, Oil or Repair Machinery While in Motion
Electric Trucks—Go Slow
Hands Off
Highly Inflamable
Keep Aisles Clear
Low Head Room
No Clearance
Steam Exhaust Pipe
Wear Goggles when Using This Machine
440 Volts

Submit other wordings for quotation

ARROW OR DIRECTIONAL

No. 1208 10 x 14, Each **$1.60**

Elevator (Below Arrow)
Enter (Below Arrow)
Exit (Below Arrow)
Fire Exit (Below Arrow)
Fire Exit (Below Arrow)
Hospital (Below Arrow)
Keep to the Right
This Way Out (Below Arrow)

Inside Arrow	Below Arrow
This Way to	First Aid Room
This Way to	Office
To the	Employment Office
To the	Fire Escape
To the	First Aid
To the	Stairway

Submit other wordings for quotation

SAFETY FIRST

No. 1207 7 x 10, Each **$1.05**

A Careful Workman Is the Best Safety Device
Be Careful
Carelessness Is Dangerous
Every Injury, No Matter How Slight, Should Receive Immediate Attention
Keep Out
Please Do Not Spit on the Floor
Positively No Smoking
Watch Your Step

Submit other wordings for quotation

NOTICE

No. 1211 10 x 14, Each **$1.60**

Do Not Place Anything Near This Door
Do Not Park on Driveway
Dump No Rubbish Here
Keep Passageway Clear
No Help Wanted
No Loafing Allowed
These Buckets for Fire Purposes Only

Submit other wordings for quotation

THINK SIGNS

No. 1208 10 x 14, Each **$1.60**

A Fire Today—No Job Tommorrow
Any Fool Can Be Careless—How About You?
Careless Men Never Are Efficient
Keep Your Hands and Clothing Clean or You Will Do a Lot of It After the Accident
The Safe Way Is the Best Way
You Pay Most for Safety When You Try To Do Without It

Submit other wordings for quotation

MARKER

No. 1209 2½ x 10, Each ..... **$ .80**
No. 1210 4 x 24, Each **1.10**

Apply at Office	Ladies
Cashier	Locker Room
Close the Door	Night Bell
Employes Only	No Smoking
Entrance	Order Dept.
Exit	Private
Gentlemen	Receiving
Hospital	Shipping
Keep Out	Toilet

Submit other wordings for quotation

BE CAREFUL

No. 1212 14 x 20, Each **$2.50**

Avoid Wasting Supplies
Carelessness May Cost a Life
Keep All Guards in Place
Keep This Place Clean
Stairway—Don't Push
Today—
Watch Your Step
Your Carelessness May Hurt Others

Submit other wordings for quotation

SPECIAL WORDINGS AVAILABLE—WRITE FOR PRICES

"All prices are subject to change without notice. All orders are received subject to availability of material and production at time of receipt of order. All Quotations are made with the understanding that any and all federal, state, or local taxes which may be applicable to this Quotation will be added to the face of the invoice."

Prices on items in this catalog are f. o. b. shipping point. No order for less than $2.50 accepted.

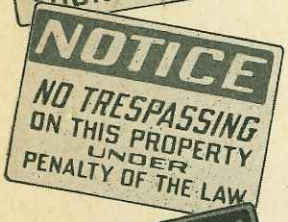
SEE PAGE 42—GENERAL'S NEW FRIGIDFOG CO² FIRE EXTINGUISHER!

GEN-ITE INDUSTRIAL SIGNS

REPLACES STEEL

Tough — Durable — Waterproof

Avoid Accidents, Promote Safety and Increased Production



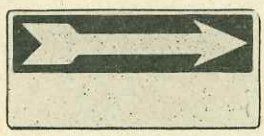
"RESTRICTED AREA" SIGNS. War production plants have found these signs necessary and helpful. Of these we have numerous types and wording, some of which are suggested here.

STOCK WORDED SIGNS. Hundreds of GENITE stock wordings are available to warn of specific dangers, unsafe practices, point directions, supply general information.

DANGER SIGNS. Should be used only where an immediate hazard exists. Hundreds of different GENITE stock wordings available in signs 7 x 10, 10 x 14, 14 x 20.

CAUTION SIGNS. Warning against potential hazards or unsafe practices. Many wordings available from stock in 7 x 10 and 10 x 14 sizes.

Blank spaces below designs are for special wording



THINK SIGNS (Safety Instructions). Used to carry instructions relative to safety.

NOTICE SIGNS (Informational). Convey general information not necessarily of a safety nature, but to avoid confusion.

DIRECTIONAL SIGNS (ARROW SIGNS). To indicate locations such as exits, fire escapes, stairways.

MISCELLANEOUS SIGNS. Various types and sizes. "No Smoking," etc.

PRICES AND OTHER INFORMATION ON OPPOSITE PAGE

INDEX

	Page
Acid Pumps	45
Adapter, Brass Male and Female	39
Adjustable Sign Set	25
Air Raid Helmets	19
Alarm Box	11
Ambulance Lights	8
Ammocured Coats	18
Angle Suction Elbow	40
Apparatus, First Aid Kit	16
Apparatus, Searchlight	9
Aquaphone	45
Aqua Valve Box Locator	26
Arrow Warning Light	27
Arrow Flares	27
Asbestos Suits	17
Ash Boles	31
Automatic Coupling Expander	40
Automatic Siren Control	11
Axe, Brackets	29
Axe, Fire	29
Badges, Firemen's	22–23
Badges, Plant Guard	22–23
Badges, Police	22–23
Baker Cellar Pipe	33
Battery Charger	8
Belts, Sam Browne	21
Belts, with Holster	21
Belts, Window Washers	17
Belts, Safety	61
Big Beam Portable Lamp	10
Billys, Police	25
Blankets, Fireproof	52
Body, Floodlight	9
Box, Break Glass Fire Alarm	11
Boxes, Shop	56
Brackets, Axe	29
Brackets, Fire Pole	29
Break Glass Box	11
Brooms, Fire Fighter	31
Brooms, Push	31
Bunker Suits	17
Burn Treatment Kit	16
Cabinets, Extinguisher	54
Cabinets, Storage	58
Cabinets, Wardrobe	58
Cans, Safety	34
Cans, Waste	34
Caps, Firemen's	20–21
Caps, Police	20–21
Cap Straps	20
Cellar Nozzle	37
Circul Air Hose Dryer	33
Claws, Iron	24
Clippers, Firemen's	32
Clock, Night Watch	24
Clock, Electric, Sirens	11
Coats, Firemen's	17, 18–25
Colt, Nozzle	28
Colt, with Playpipe	28
Colt, Booster Nozzle	28
Colt, Leader Line	28
Connections, Double Male	39
Connections, Double Female	39
Conversion Unit	34
Cooper Hose Jacket	32
Coupling Expander	40
Couplings, Hose	39
Covers, Salvage	52
Crowbar	29
Cuffs, Hand	24
Cutters, Tin Roof	30
Cutters, Wire	32
Dip Tanks	52
Double Male Connection	39
Double Female Connection	39
Eccentric Nozzles	37
Eclipse Hydrant	60
Electric Clock, Sirens	11
Electric Flares	27
Electric Heat Gun	34
Emblems, Firemen's Cap	22–23
Emergency Stretcher	25
Eye Shield	15
Extinguisher, Cabinets	54
Extinguisher, Fire	42–43
Extinguisher, Recharges	45
Face Shields	15–17
Featherweight Mask	8
Files, Letter	58
Fire Axe	29
Fire Dept., Alarm Box	11
Fire Dept., Crowbars	29
Fire Dept., Hand Saws	29
Fire Dept., Insignia Plates	30
Fire Dept., Playpipe	41
Fire Dept., Truck Lights	8
Fire Dept., Wall Picks	29
Fire Dept., Warning Siren	4
Fire Dept., Wrecking Bars	29
Fire Chief's, Badges	22–23
Fire Chief's, Lights	8
Fire Extinguishers	42–43
Fire Fighter Brooms	31
Fire Fighter, Handy	41
Fire Fighter, Mobile	54
Fire Hydrant Pressure Gauge	32
Fire Hose	48–49
Fire Hose Test Pump	33
Fire Pole Brackets	28–29
Fire Proof Blankets	52
Fire Trucks	46–47
First Aid Kits	16
Firemen's Badges	22–23
Firemen's Caps	20
Firemen's Cap Emblems	23
Firemen's Powerlite	10
Firemen's, Coats Rubber	17, 18, 25
Firemen's, Helmets	18
Firemen's, Life Belt	29
Firemen's, Pike Poles	31
Firemen's, Plaster Fork	29
Flares, Arrow	27
Flasher, Warning	8
Flashlights, Flashing Lights	11, 27, 29
Floodlights, Twin	10
Foam Engines	44
Focusing Lantern	10
Fog and Auxiliary Lamp	9
Fog Nozzles	35
Foille Spray Kit	16
Foot Operated Pump	45
Fork, Plaster	29
Fountain Pen Flashlight	29
Gaskets, Hose	31
Gas, Masks	12, 13, 14 and 15
Gas, Tear, Fountain Pen	24
Gas, Tear, Projectors	24
Geophone	26
Giant Thawing Torch	52
Handcuffs	24
Handlamp, Power	10
Hand Operated Siren	6
Hand Saws	29
Handy Fire Fighter	41
Heavy Duty Siren	5
Hebert Hose Clamp	32
Helmets, Air Raid	19
Helmets, Composition	19
Helmets, Fireman	19
Helmets, Straps	19
High Speed Siren	5
Holder, Quick Action	45
Horns, Motor Driven	4
Horns, Resonating	6
Horns, Vibratory	3
Hose, Cap and Chain	39
Hose Clamp	32–34
Hose, Fire	48–49
Hose Gaskets	31
Hose Holder	32
Hose, Jacket, Cooper	32
Hose, Ladder Strap	29
Hose Leak Stop	31
Hose, Quick Action	45
Hose Reducer	39
Hose Shut-Off and Door Opener	30
Hydrant Connections	40
Hydrant, Eclipse	60
Hydrant, Gate Valves	38
Hydrant Pump	60
Hydrant Wrenches	30
Inhalator	33
Insignia Plate	30
Iron Claws	24
Junior Siren	6
Kits, Apparatus	16
Kits, Auto-Kit	16
Kits, Burn Treatment	16
Kits, First Aid	16
Kits, Foille Spray	16
Kits, Roll Up	16
Kits, Tannic Acid	16
Ladders	53
Lamp, Big Beam	10
Lamp, Fog and Auxiliary	9
Lantern, Focusing	10
Leader Line Nozzles	28
Leader Line Tips	28
Leak Locator	26
Leak Stop Hose	31
Letter Files	58
Life Belt, Fireman's	29
Life Guard	11
Lights, Ambulance	8
Lights, Apparatus Search	9
Lights, Battery	10
Lights, Body, Flood	9
Lights, Fire Chief	8
Lights, Fire Truck	8
Lights, Mars	9
Lights, Mile Beam Hose	9
Lights, Oscillating	8
Lights, Oscillating and Flashing	9
Lights, Pistol Grip	34
Lights, Power Beam	9
Lights, Powerlite	10
Lights, Red Warning	8–27
Lights, Waterproof, Search	10
Mars, Light	9
Masks, Gas	12, 13, 14, 15
Melting Kettles	52
Meter Seal	32
Micro Lite	29
Mile Beam Hose Light	9
Mobile Fire Fighter	54
Motor Driven Horns	6
Mounting Plate Running Board	39
Mystery Nozzle	35
Night Watch Clock	24
Nozzles, Colt, Booster	28
Nozzles, Colt, Leaderline	28
Nozzles, Colt, with Playpipe	28
Nozzles, Cellar	37
Nozzles, Eccentric	37
Nozzles, Mystery	37
Nozzles, No Leak	37
Nozzles, Rockwood	37
Nozzles, Water Fog	37
Oilskin, Coats	25
Oscillating Light	9
Peerless Hose Clamp	34
Pin Lug Couplings	39
Pipe Menders	30
Pike Poles	31
Plain Siamese Connection	40
Plaster, Fork, Fireman's	29
Playpipe, Colt, with Nozzle	28
Playpipe, Little Giant	28
Playpipe, Fire Dept.	41
Playpipe, Tips	41
Pistol Grip Searchlights	34
Poles, Pike	31
Police, Badges	22–23
Police, Billys	25
Police, Caps	21
Power Beam Light	10
Powerlite	10
Portable Heat Gun	34
Pressure Master	28
Pump, Conversion Unit	34
Pump, Foot Operated	45
Pump, Hydrant	60
Pump, Parts	60
Pump, Suction	61
Push Brooms	31
Push Buttons (Siren)	11
Quick Action Holder	45
Recharges, Extinguishers	45
Red Warning Light	8
Remote Control Sirens	11
Resonating Horns	6
Roll Up First Aid Kit	16
Roof Cutter	30
Root Cutter, Self-Propelling	61
Running Board Mounting Plate	39
Safety Belt	61
Safety Cans	34
Salvage Covers	52
Sam Browne Belt	21
Saws, Firemen's	29
Seals, Extinguisher	32
Seals, Meter	32
Searchlight, Apparatus	9
Searchlight, Pistol Grip	34
Searchlight, Waterproof	10
Self-Propelling Root Cutter	61
Shields, Eye	14–15
Shields, Face	15–17
Shop Boxes	56
Shop Robes	59
Shut-Off Nozzles	37
Siamese Connections	40
Siamese Valves	38
Sign Set, Adjustable	25
Signal, Roto-Ray	9
Siren Control	11
Siren, Electric Clock	11
Siren, Fire Dept. Warning	4
Siren, Hand Operated	6
Siren, Heavy Duty	5
Siren, High Speed	5
Siren, Junior	4
Siren, Push Button	11
Siren, Remote Control	11
Siren, Tornado Tone	3
Siren, Volunteer	5
Soda Acid Engines	44
Spanners	30
Spanner Belt and Hose Holder	32
Spanner Wrenches	30
Spreader Nozzles Tips	28
Steam or Air Siren	7
Steam Thawing Outfit	32
Storage Cabinets	58
Stretcher, Emergency	25
Suction, Elbow	40
Suction, Hose Connections	40
Suction, Pump	61
Suction, Strainer	39
Suits, Asbestos	17
Suits, Bunker	17
Tampruf	54
Tar and Asphalt Melting Kettle	52
Tear Gas, Fountain Pen	24
Tear Gas Projector	24
Test Pump, Fire Hose	33
Thawing Outfit, Steam	32
Tin Roof Cutters	30
Tip, Leader Line	28
Tip, Playpipe	41
Tip, Spreader Nozzle	28
Torch, Giant Thawing	52
Tornado Tone Siren	3
Trucks, Fire	46–47
Twin Floodlights	24
Universal Cellar Pipe	33
Valve Box Locator	26
Valves, Hydrant Gate	38
Valves, Siamese	38
Vibratory Horns	3
Volunteer Sirens	5
Wall Pick	29
Warning Flasher	8
Warning Lights	8
Wardrobe Cabinet	58
Waste Cans	34
Watch Clock, Night	24
Waterfog Nozzles	37
Waterproof Oilskin Coats	25
Waterproof Searchlights	10
Wigwag Lights	8
Wire Cutters	32
Wrecking Bar	29
Wrenches, Hydrant	28
Wrenches, Spanner	28

RETURN TO DESIGN DIV.

US PATENT & TRADEMARK OFFICE
3 0402 00268 4415

Questions and Answers on Fighting Fire Bombs

Q.—What is the purpose of the small fire bomb in air attacks?

A.—To start countless small, widely dispersed fires, so as to spread fire beyond the control of the fire department and destroy civilian morale.

Q.—If a bombing plane drops a load of 2,000 fire bombs on a city, how many fires will be started—on the average?

A.—An average of 150 may be expected.

Q.—What are the principal parts of a small fire bomb?

A.—A thick-walled tube of magnesium alloy containing thermit and a starting mixture, an igniter head, and a tail fin to steady the bomb in its flight.

Q.—What are the dimensions and weight of a small fire bomb?

A.—It is 14 inches long, 2 inches in diameter, and weighs 2.2 lbs.

Q.—What is thermit?

A.—It is a mixture of granular aluminum and iron oxide, which is the same as iron rust.

Q.—What happens when thermit ignites?

A.—The aluminum takes oxygen from the iron oxide, and burns at about 4500 degrees Fahrenheit, forming aluminum oxide and metallic iron.

Q.—Can burning thermit be extinguished?

A.—No. The oxygen supply needed for burning is self-contained, and when the reaction is once started it goes on to completion.

Q.—How is the magnesium bomb fired?

A.—It ignites on impact. A pin in the igniting mechanism is driven into a small percussion cap which sets fire to the starting mixture. This starts the thermit reaction which, in turn, ignites the magnesium body of the bomb.

Q.—What is the normal course of events when an ignited bomb is allowed to burn undisturbed?

A.—While the thermit is burning, melted metal and flames are spurted about over a wide area for about a minute. Then the magnesium ignites and burns quietly, with a brilliant white light and white smoke, for from 10 to 20 minutes. The molten metal forms a pool on the floor and will run into cracks, setting fire to combustible materials.

Q.—Why will not water extinguish burning magnesium?

A.—Because burning magnesium extracts oxygen from the water, which actually is a fuel for this metal.

Q.—Will sand extinguish burning magnesium?

A.—No. It will cut down the heat radiated by the burning metal and reduce the rate of burning, but the bomb will continue to smolder under a blanket of sand.

Q.—What happens when water is thrown on a burning magnesium bomb, or a solid stream of water strikes it?

A.—An explosive reaction takes place, due to the sudden generation of steam. White hot metal may be scattered around a considerable area.

Q.—Is there a safe way of applying water on a burning magnesium bomb?

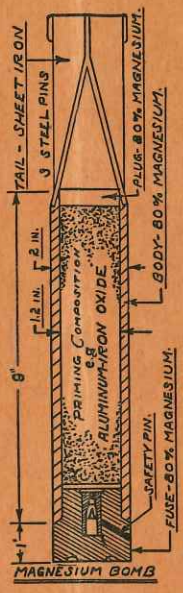
A.—Yes. If water is applied in the form of a spray, no explosive reaction will take place.

Q.—Is it desirable to apply water in the form of a spray on a burning magnesium bomb?

A.—Yes, for two reasons:

1. The water speeds up the combustion of the bomb, thereby causing it to burn out quickly.
2. The water wets down the immediate surroundings of the bomb, thus helping to control the fire it has started or even reducing the possibility of its starting a fire.

Q.—How can this spray be produced?



A.—By the use of a hose with an adjustable nozzle, or by "thumbing" the solid stream emitted by any type of fire extinguisher delivering water or chemicals in a water solution.

Q.—What types of fire extinguishers deliver such a stream?

A.—The Soda-Acid, the Pump-Tank, the Foam, the loaded-stream, and the gas cartridge types.

Q.—What action may be expected from a bomb lodging in an attic?

A.—If unattended, it will start a fire in the attic and within a few minutes it will burn through to the ceiling below, or the molten magnesium will run through cracks in the floor and spread the fire to the room below.

Q.—What advance means of protection should be taken?

A.—All combustible material should be removed from the attic. This includes clothing, stacks of magazines, trunks, etc. Such material is not only a fire hazard, but it hinders fire-fighting.

Q.—Can attic floors be protected so that the bomb will not burn through them?

A.—Yes. Over-lapping layers of building paper can be spread on the floor and at least two inches of sand placed on the paper. Before this is done, make certain the structure will stand this additional weight. Raised above the sand, place wooden frames four to six inches deep, with chicken wire spread over them. The wire will break the force of the bomb's impact and prevent it from scattering the sand.

Q.—Why is it dangerous to approach a bomb immediately after it has fallen?

A.—Because of the scattering effect caused by the thermit reaction and because of the possibility that the bomb contains an explosive charge. Wait until the violent reaction is over before exposing yourself to the bomb.

Q.—How close can you approach the bomb after the initial reaction is finished?

A.—Within a few feet. The only physical danger is from spattering bits of molten magnesium, or from fire started by the bomb.

Q.—What should you do if the bomb falls in the street?

A.—If there is nothing nearby to which it can set fire, the bomb can be allowed to burn itself out harmlessly. It can be covered with sand to lessen the radiant heat.

Q.—What should you do if the bomb falls through the roof and lands in the attic or some other top floor room?

A.—Stay away from the bomb for the first minute or so. Then, if it has not burned through the floor, sand can be shoveled over it, the mass scooped up into a pail, and the pail removed from the premises. Before the bomb is placed in the pail, there should be a layer of several inches of sand in it, and more sand can be shoveled over the bomb after it has been dumped into the pail.

Q.—Suppose the bomb has fallen into the house and has started a fire?

A.—Use water, from either a garden hose or any water or water-solution type of extinguisher available. First, use a solid stream on any fire caused by the bomb. Then use a spray directly on the bomb itself. As soon as the bomb has burned itself out, rip open the floor and clean up every bit of the fire with the solid stream from your equipment.

Q.—What is the major objection to depending on a garden hose for protection against fire bombs?

A.—Normal water supplies may fail under air attack when high-explosive bombs break water mains. Or firemen may deplete the supply in their efforts to control fire.

A complete and informative booklet on fighting fires and the application of various extinguishers to this work will be sent free if you request one with your order. Be sure and get yours.

NOTE: Subsequent tests have revealed that, under certain ideal conditions, the bomb may be broken up with a jet of water, if the operator is prepared to extinguish fires from the fragments immediately.

RETURN TO DESIGN DIV.

OCT 8 - 1943
Design Division

FRIGID FOG

"FREEZES" FIRE

RETURN TO
DESIGN DIV.

15-LB. SIZE
UNDERWRITERS
APPROVED

Industry has been Waiting for the Important Fire Extinguisher News

on Page 42!

RETURN TO
DESIGN DIV.

DON'T MISS IT!

FIRE PREVENTION IS VICTORY EFFORT